



October 19, 2001

State of Utah
Division of Oil, Gas & Mining
Attn: Brad Hill
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 1A-2-9-16, 2-2-9-16, 4-2-9-16, and
6-2-9-16.

Dear Brad:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Permit Clerk

mc
enclosures

cc: Bureau of Land Management
Well File

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OCT 23 2001

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐
 1b. TYPE OF WELL
 OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS AND TELEPHONE NUMBER
Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)
 At Surface **Lot #1 728' FEL 714' FNL** **4435184 N**
 At proposed Producing Zone **578541 E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 11.7 Miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

Approx 728' f/lse line & 728' f/unit line

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approximately 1306'

16. NO. OF ACRES IN LEASE

920

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5439.7' GR

22. APPROX. DATE WORK WILL START*

4th Quarter 2001

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

SURFACE PIPE - 155 sx Class G Cement +/- 10%, w/ 2% CaCl₂ & 1/4#/sk Cello-flake
 Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H₂O Req: 5 gal/sk

LONG STRING - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk KCl Seal
 10% Bentonite + .5% Sodium Metasilicate
 Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H₂O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate
 Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H₂O Req: 7.88 gal/sk

24.

Name & Signature

Mandie Crozier

Title: **Permit Clerk**

Date:

10/19/01

(This space for State use only)

API Number Assigned:

43-013-32313

APPROVAL:

**Approved by the
Utah Division of
Oil, Gas and Mining**
 Date: **12-03-01**
 By: **[Signature]**

5. LEASE DESIGNATION AND SERIAL NO.

U-16535 ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Monument Butte 6P "D"

9. WELL NO.

1A-2-9-16

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN:

Lot #1 NENE
Sec. 2, T9S, R16E

12. County

Duchesne

13. STATE

UT

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OCT 23 2001

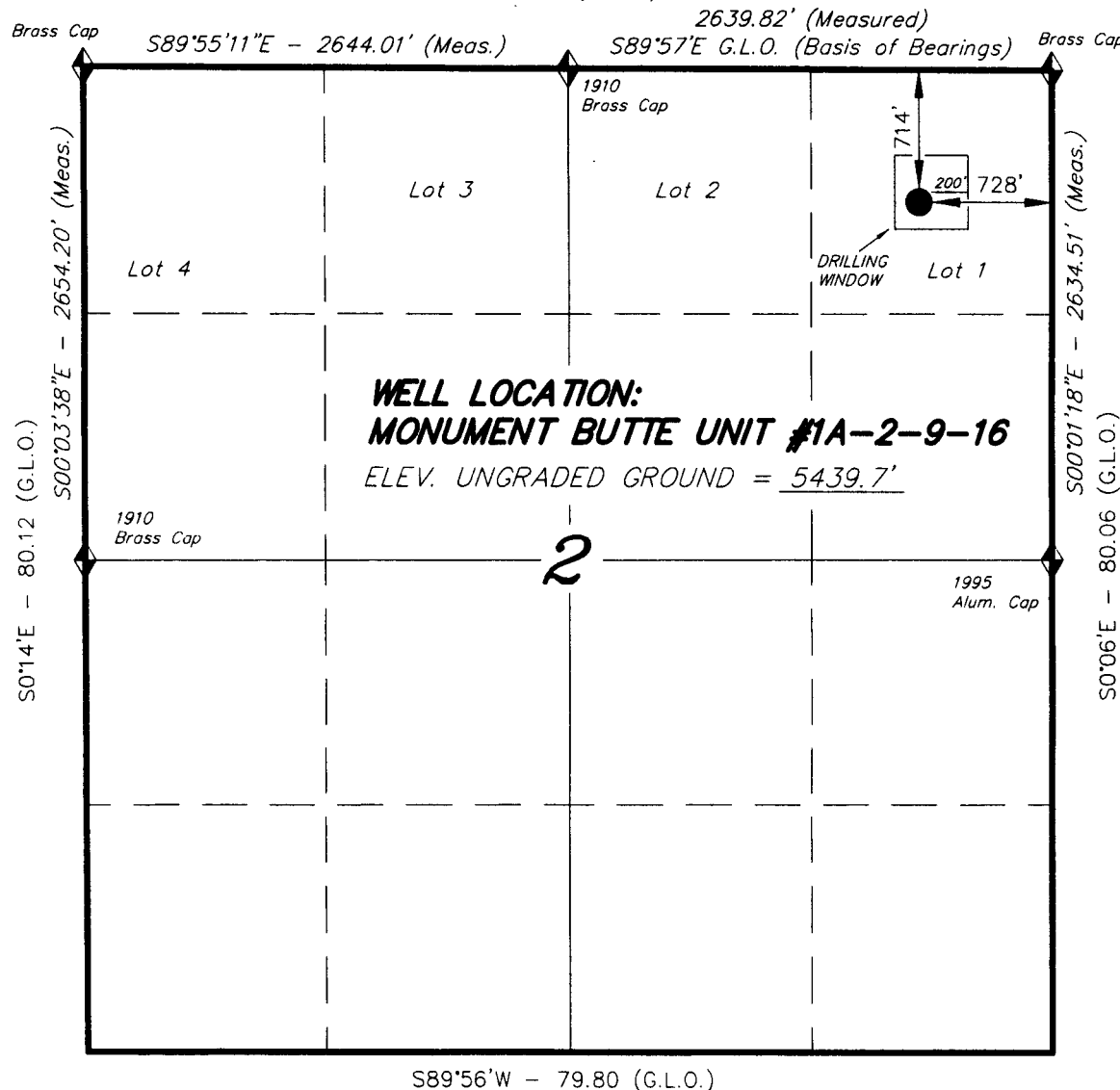
**DIVISION OF
OIL, GAS AND MINING**

T9S, R16E, S.L.B.&M.

S89°57'E (G.L.O.)

INLAND PRODUCTION COMPANY

WELL LOCATION, MONUMENT BUTTE UNIT
#1A-2-9-16, LOCATED AS SHOWN IN
LOT 1 OF SECTION 2, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION, AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

**STACY W.
STEWART**

REGISTERED LAND SURVEYOR
REGISTRATION No. 18937
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078

(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: G.S. D.J.S.

DATE: 10-8-01

DRAWN BY: J.R.S.

NOTES:

FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 23, 2001

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2001 Plan of Development Monument Butte Unit Duchesne
County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2001 within the Monument Butte Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-32313	Mon Butte 1A-2-9-16	Sec. 2, T9S, R16E 0714 FNL 0728 FEL
43-013-32314	Mon Butte 2-2-9-16	Sec. 2, T9S, R16E 0660 FNL 1980 FEL
43-013-32315	Mon Butte 4-2-9-16	Sec. 2, T9S, R16E 0587 FNL 0640 FWL
43-013-32316	Mon Butte 6-2-9-16	Sec. 2, T9S, R16E 1852 FNL 1960 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Monument Butte Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-23-1

INLAND PRODUCTION COMPANY
MONUMENT BUTTE UNIT 1A-2-9-16
LOT#1 SECTION 2, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)

Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Series 900 Annular Bag type BOP and an 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3200’
3200’ – TD’

MUD TYPE

fresh water or air/mist system
fresh water system

From surface to \pm 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290’ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500’ +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H₂S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2001, and take approximately seven (7) days from spud to rig release.

INLAND PRODUCTION COMPANY
MONUMENT BUTTE UNIT 1A-2-9-16
LOT#1 SECTION 2, T9S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Inland Production Company well location site Monument Butte Unit 1A-2-9-16 located in the Lot #1 Section 2, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.6 ± miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 5.2 miles ± to its junction with an existing road to the southwest; proceed southwesterly approximately 2.9 miles ± to its junction with an existing road to the south; proceed southeasterly approximately 1.8 miles ± to its junction with an existing road to the east; proceed northeasterly approximately 0.2 miles ± to its junction with the beginning of the proposed access road; proceed along the proposed access road approximately 110' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 110' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Inland Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for re-injection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey is attached.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Inland Production Company guarantees that during the drilling and completion of the Monument Butte Unit 1A-2-9-16, Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Monument Butte Unit 1A-2-9-16 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Brad Mecham
Address: Inland Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well 1A-2-9-16, Lot #1 Section 2, T9S, R16E, LEASE #U-16535, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291. ~~4488994~~ *ok se* *sc*

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

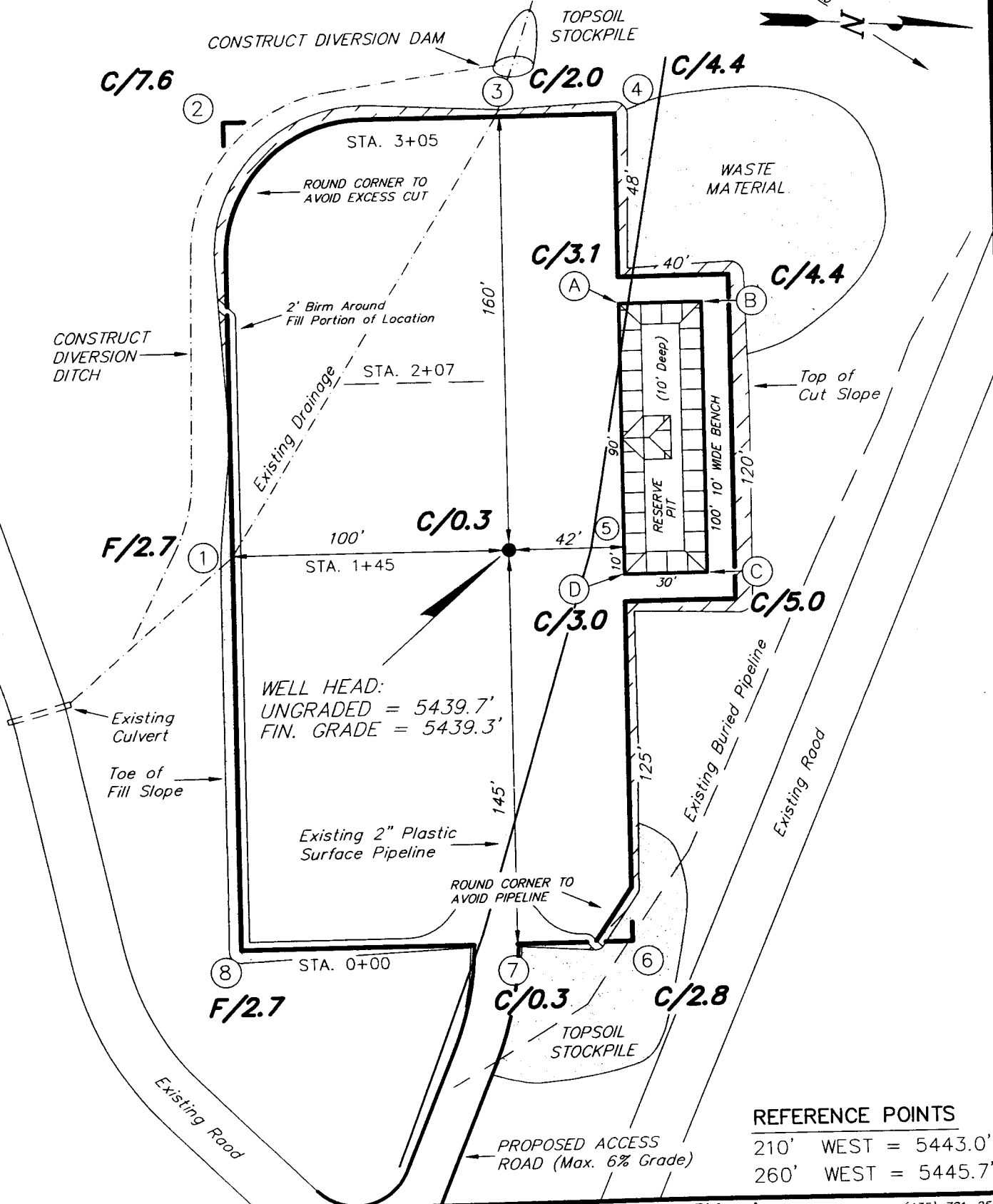
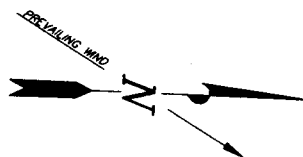
10/19/01
Date

Mandie Crozier
Mandie Crozier
Permit Clerk
Inland Production Company

INLAND PRODUCTION COMPANY

MONUMENT BUTTE UNIT #1A-2-9-16

SEC. 2, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

210' WEST = 5443.0'
260' WEST = 5445.7'

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 10-8-01

Tri State
Land Surveying, Inc.

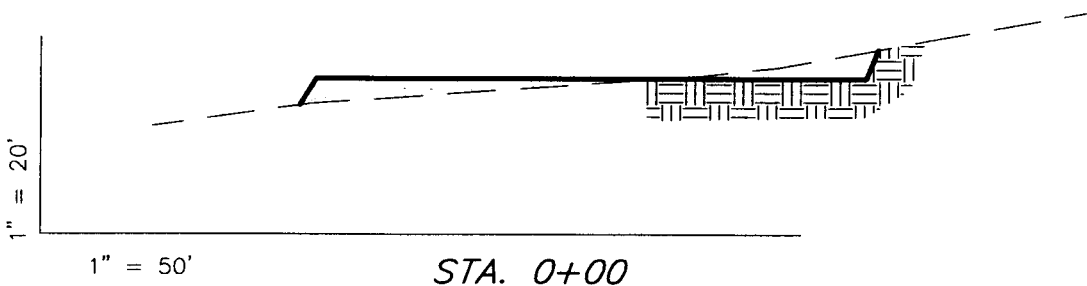
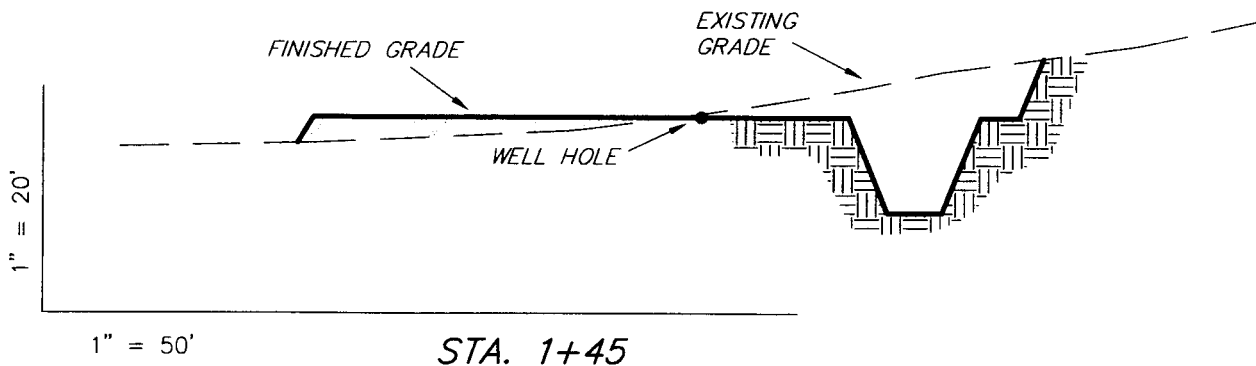
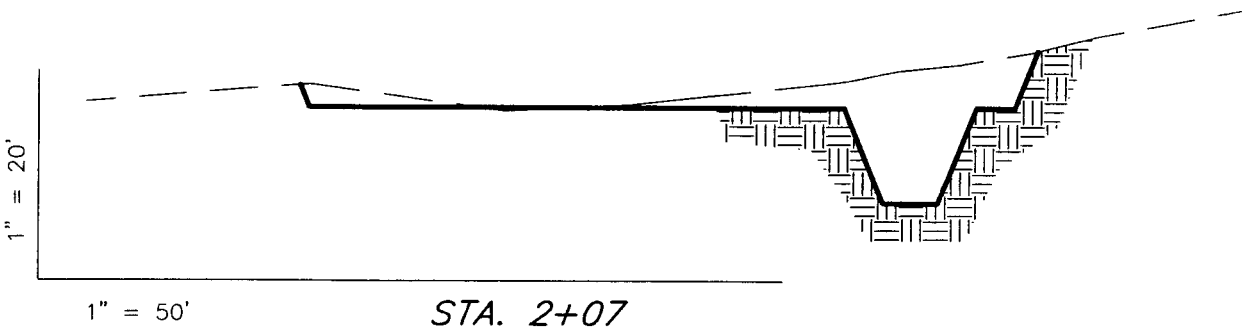
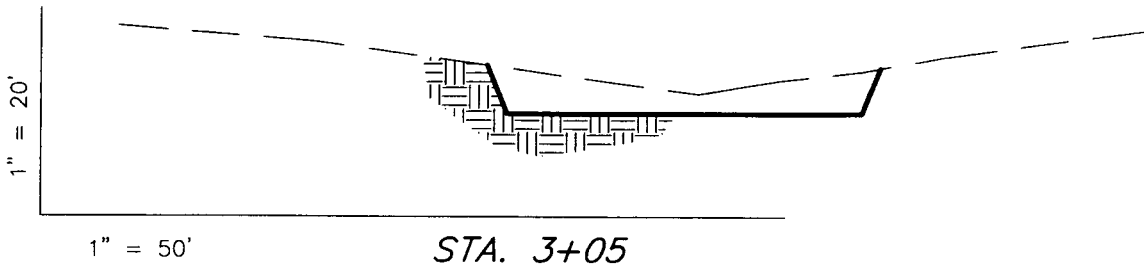
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

INLAND PRODUCTION COMPANY

CROSS SECTIONS

MONUMENT BUTTE UNIT #1A-2-9-16



APPROXIMATE YARDAGES

CUT = 1,650 Cu. Yds.

FILL = 1,430 Cu. Yds.

PIT = 640 Cu. Yds.5

6" TOPSOIL = 860 Cu. Yds.

SURVEYED BY: K.G.S.

SCALE: 1" = 50'

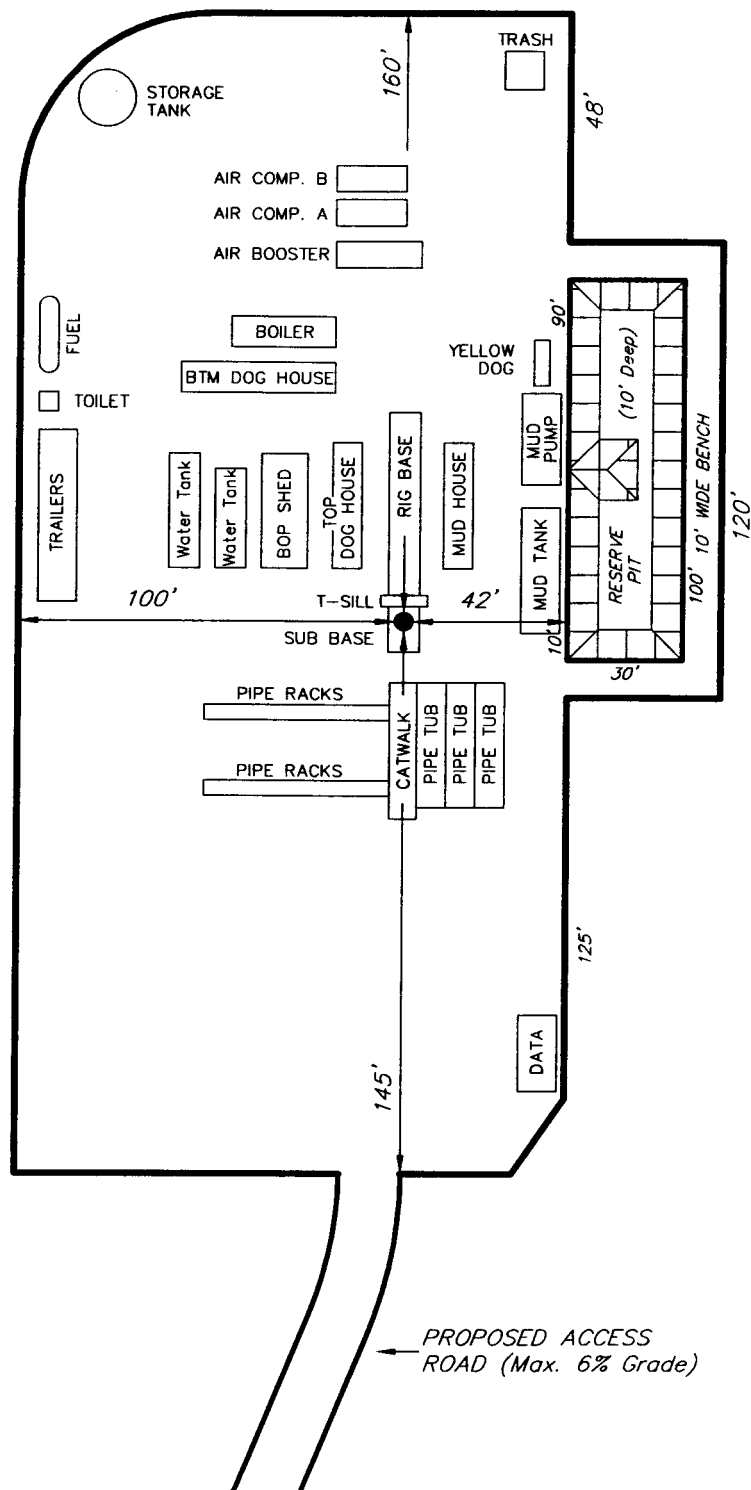
DRAWN BY: J.R.S.

DATE: 10-8-01

Tri State
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501

INLAND PRODUCTION COMPANY
TYPICAL RIG LAYOUT
MONUMENT BUTTE UNIT #1A-2-9-16



SURVEYED BY: K.G.S.

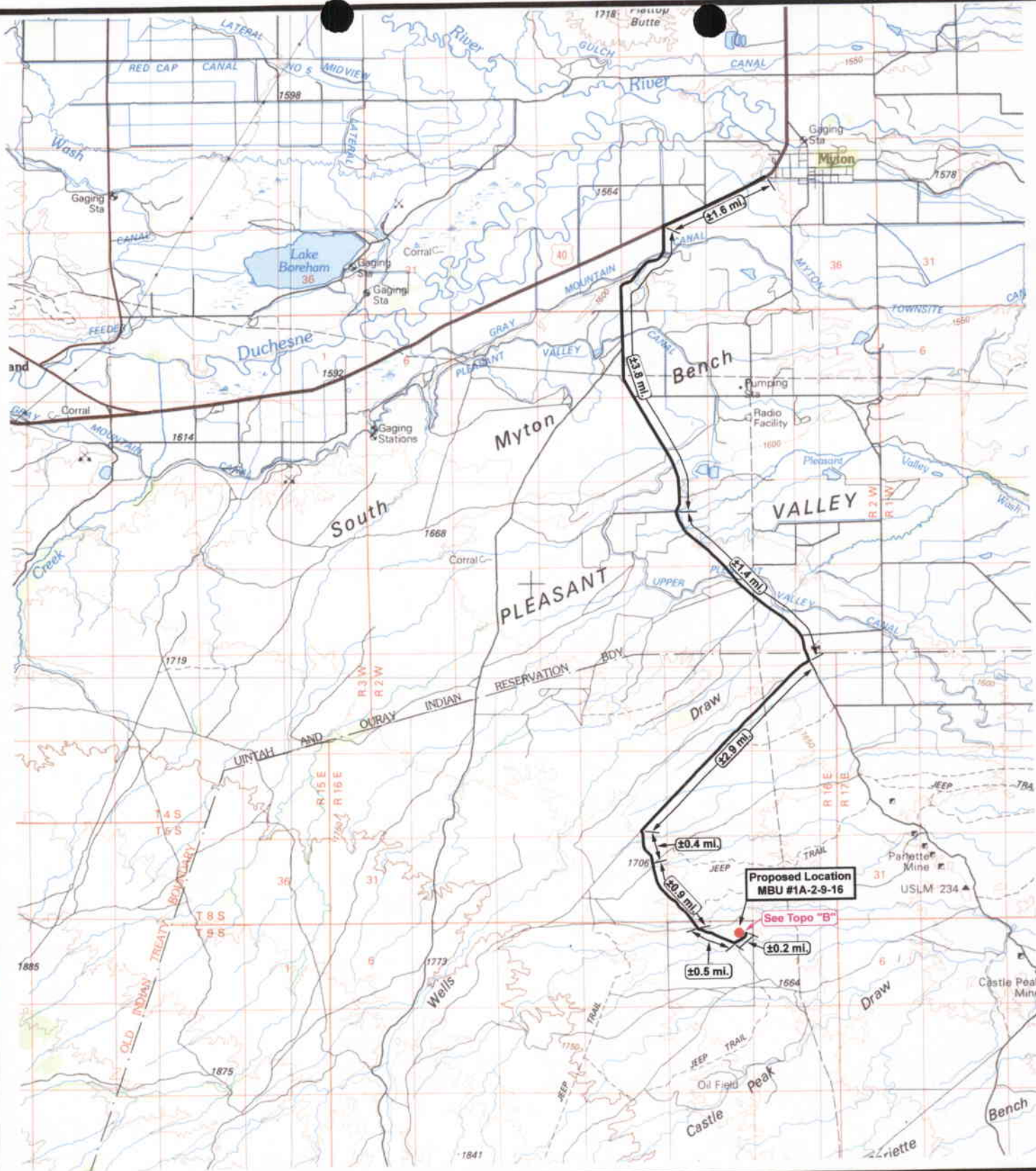
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DRAWN BY: J.R.S.

DATE: 10-8-01

Tri State
Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 781-2501



**Monument Butte Unit #1A-2-9-16
SEC. 2, T9S, R16E, S.L.B.&M**



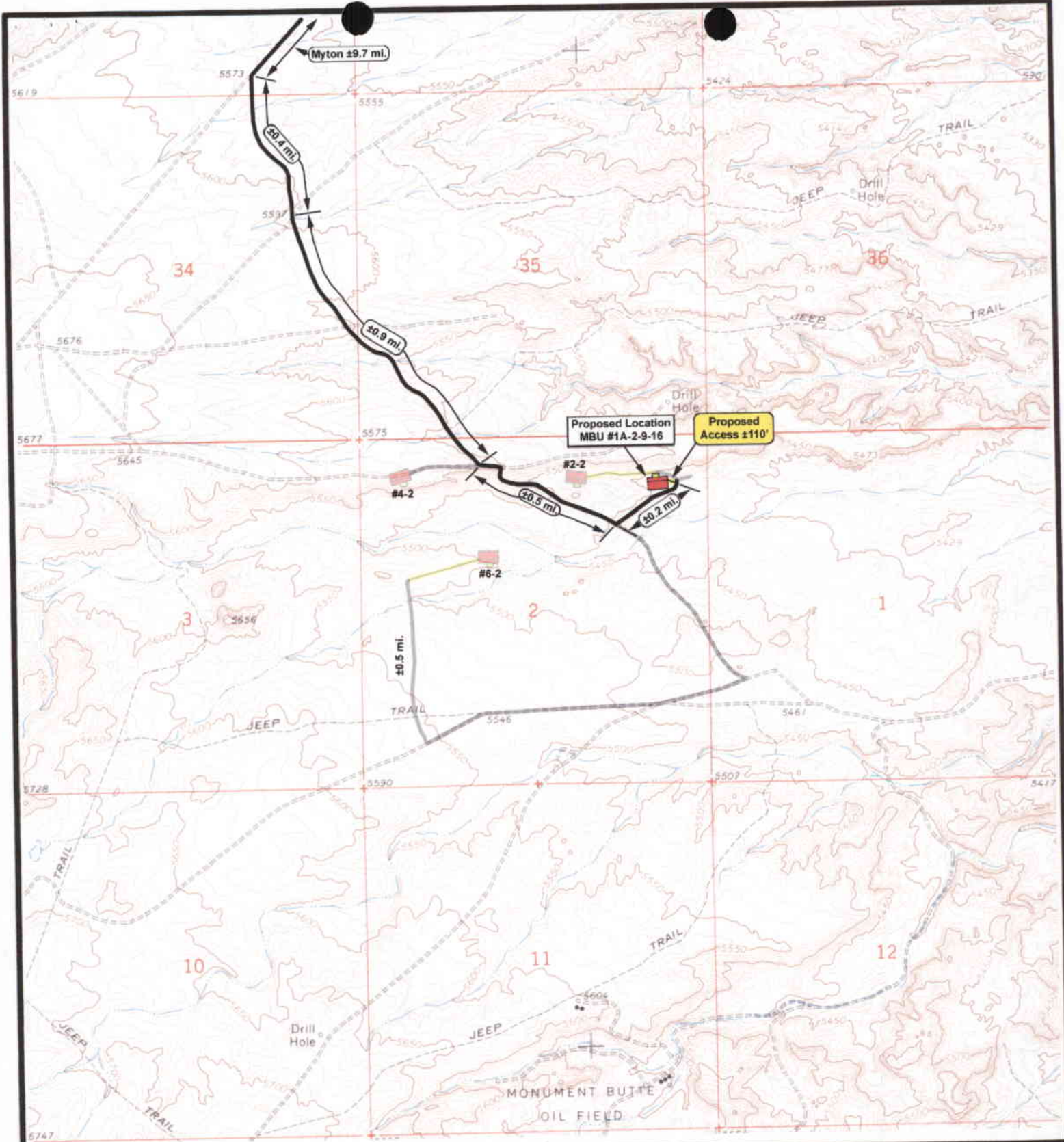
**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: D.J.
DATE: 10-04-2001

Legend
— Existing Road
— Proposed Access

TOPOGRAPHIC MAP

"A"



**Monument Butte Unit #1A-2-9-16
SEC. 2, T9S, R16E, S.L.B.&M.**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
38 West 100 North Vernal, Utah 84078

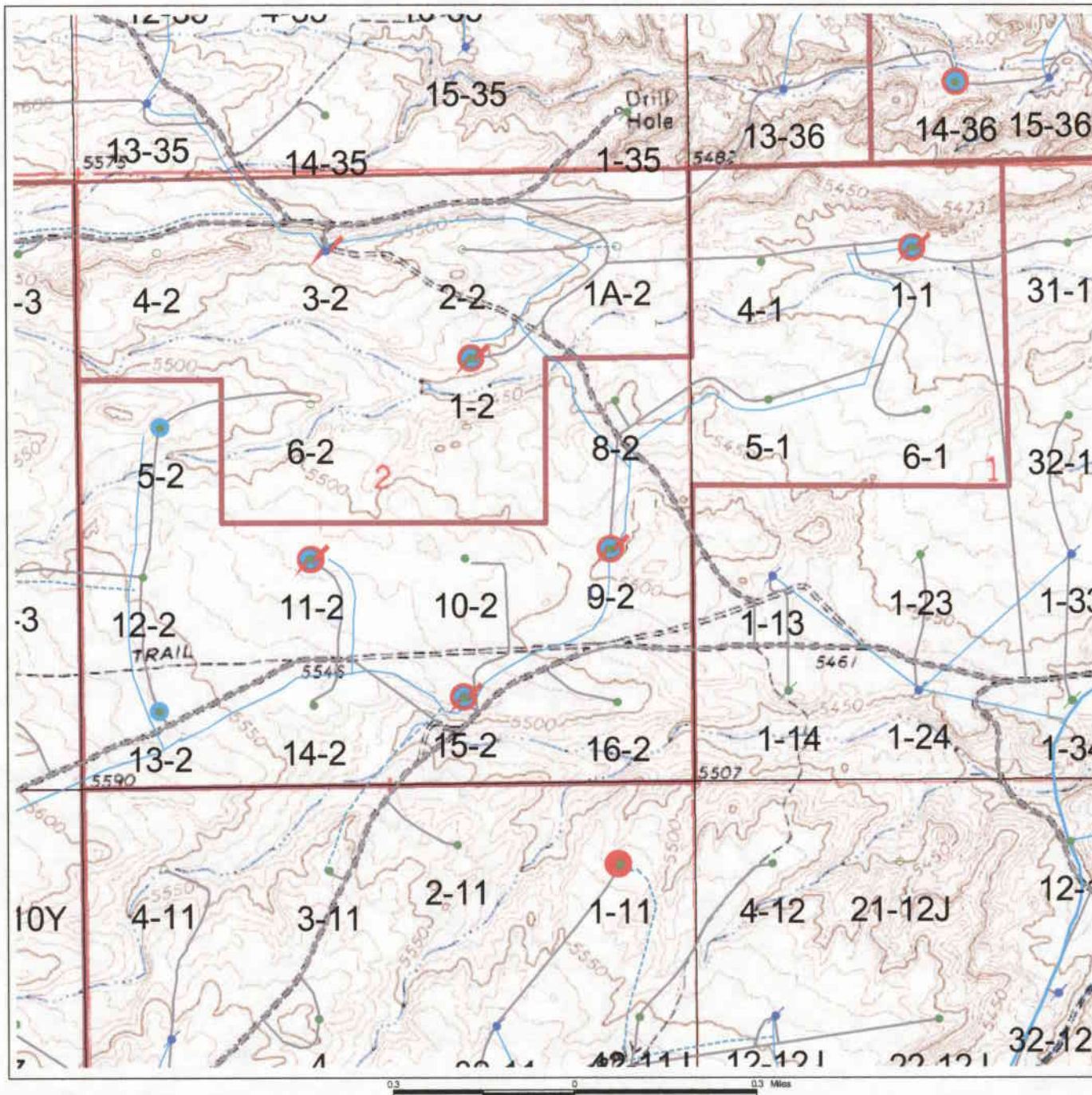
SCALE: 1" = 2000'
DRAWN BY: D.J.
DATE: 10-08-2001

Legend

— Existing Road
— Proposed Access

TOPOGRAPHIC MAP

"B"



- Water Taps
- 2001 Injection Conversion Program
- Pending Waterline ROW
- Approved Waterline ROW
- Approved Water Injection Permit
- Water Injection Permit Pending

- Johnson Water Line
- Water 6 Inch
- Water 4 Inch
- Water 4 Inch - High Pressure
- Water 4 Inch Poly
- Water 2 to 3 Inch
- Proposed Water

- Pump Stations
- Roads (Digitized)
- Paved
- Dirt
- Proposed
- Two Track
- Private
- Participating Area 'A'
- Unit Sections
- Existing Units
- Proposed Units



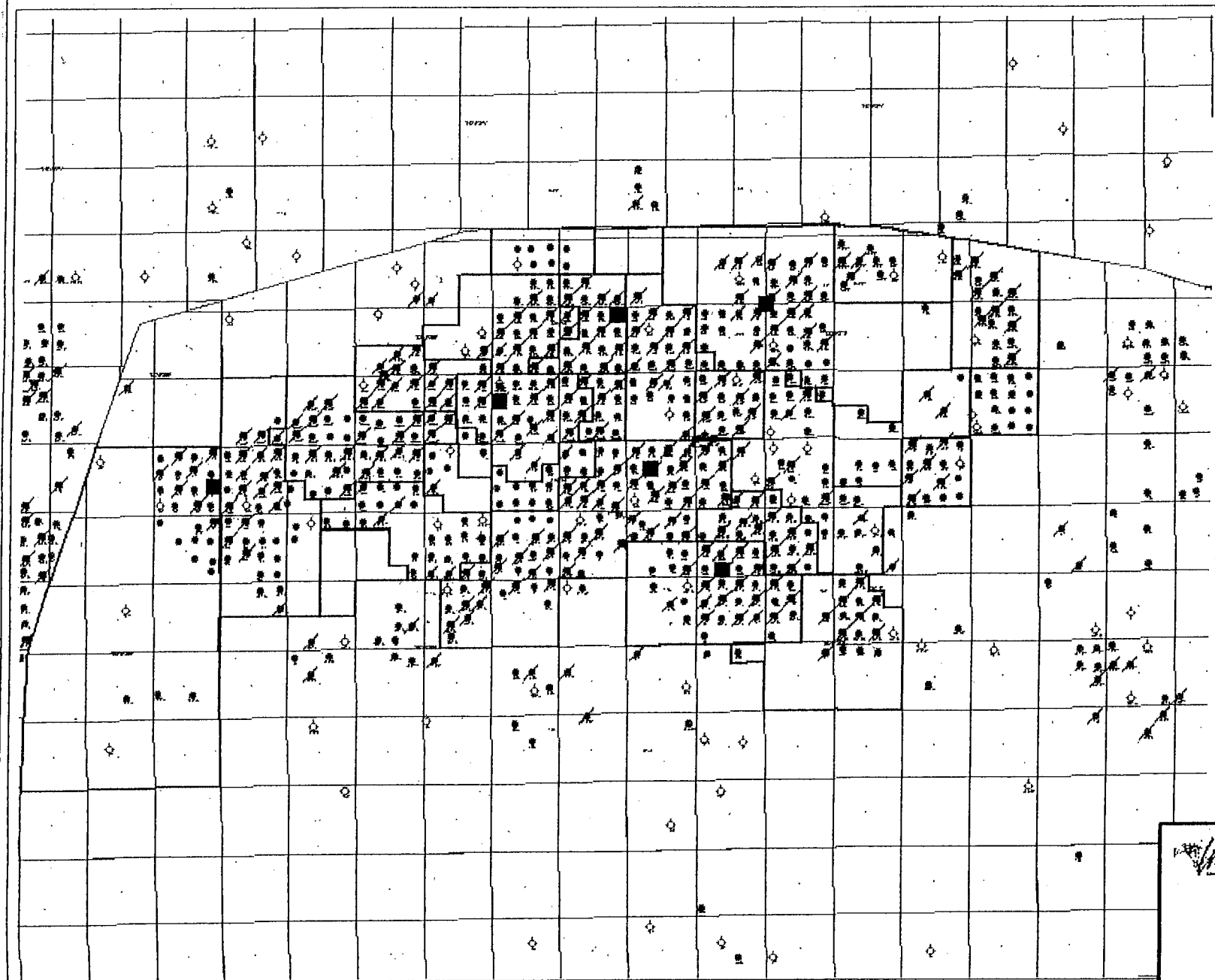
410 1st Street, Suite 700
 Denver, Colorado 80202
 Phone: (303) 993-0102

Water Pipeline Map

UINTA BASIN, UTAH
 Duchesne & Uintah Counties, Utah

D/C: C:\ppl

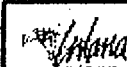
October 17, 2001



- Well Categories
- IKJ
 - OIL
 - DRY
 - SHUTIN
 - Wells



Exhibit "A"



1000 West 10th Street
Denver, Colorado 80202
Phone (303) 861-0122

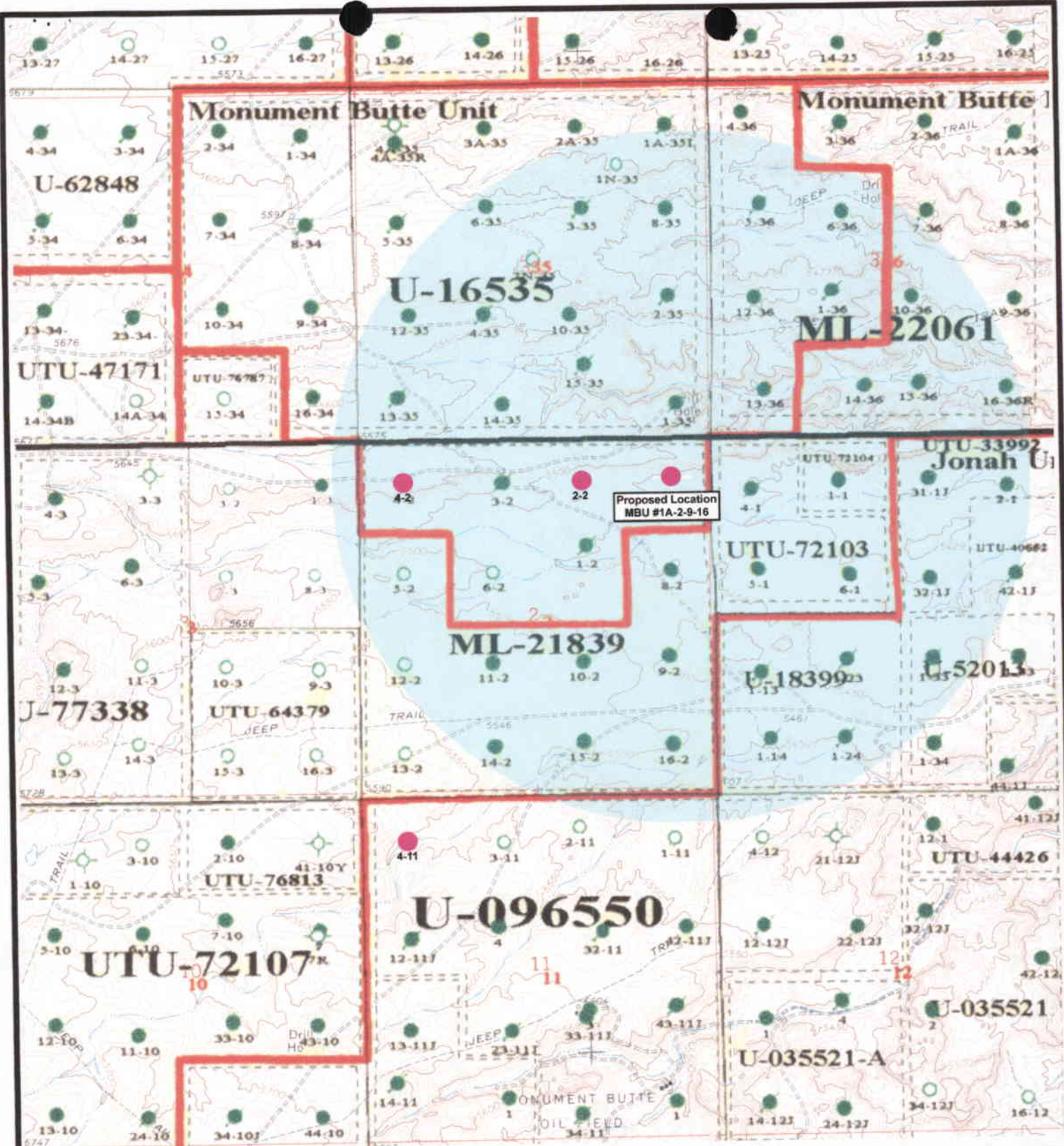
Uinta Basin

UNITA BASIN, UTAH

Bartholomew & Clark Counties, UT

10/1/80

10/1/80



Monument Butte Unit #1A-2-9-16
SEC. 2, T9S, R16E, S.L.B.&M



Tri-State
Land Surveying Inc.
 (435) 781-2501
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
 DRAWN BY: D.J.
 DATE: 10-04-2001

Legend

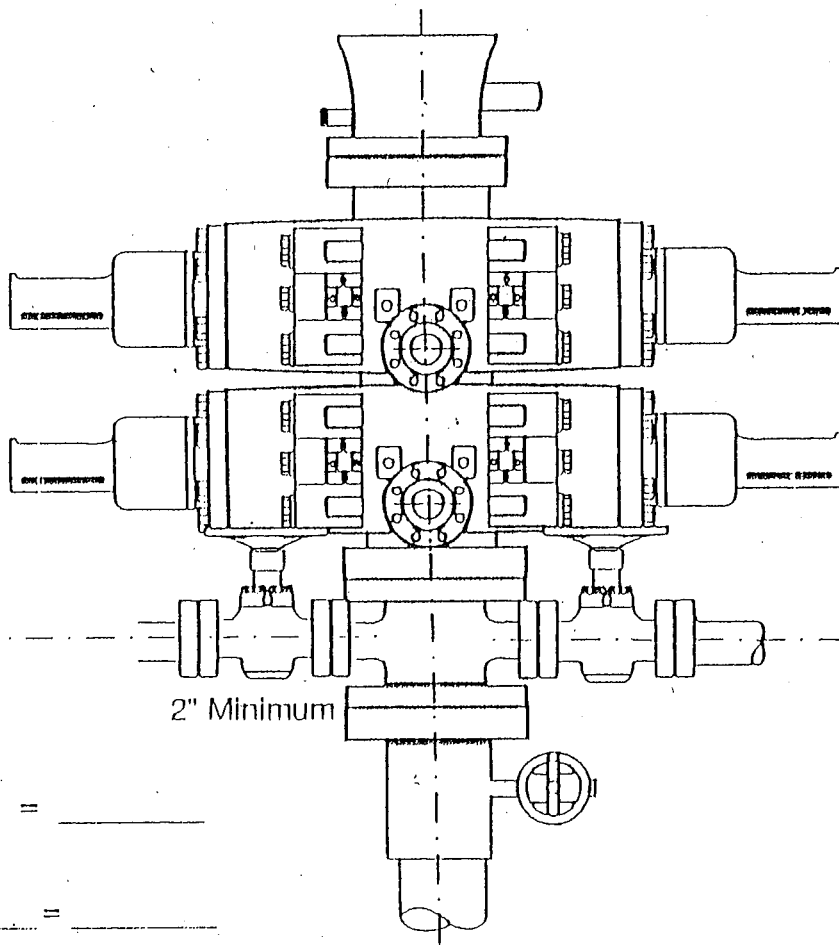
- Proposed Locations
- One Mile Radius

Exhibit
"B"

RAM TYPE B.O.P.
 Make:
 Size:
 Model:

2-M SYSTEM

EXHIBIT "C"



2" Minimum

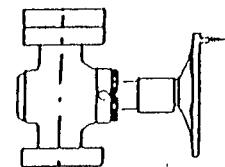
GAL TO CLOSE
 Annular BOP = _____

Ramtype BOP
 _____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher
 increment of 10 gal. would require
 _____ Gal. (total fluid & nitro volume)



2" Minimum

2" Minimum

2" Minimum

2" Minimum

CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESNE & UINTAH COUNTIES, UTAH

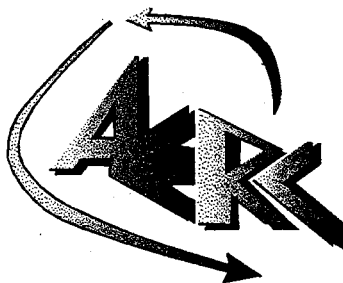
Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:
F. Richard Hauck, Ph.D



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July 21, 1998

Abstract

A series of intensive cultural resource examinations has been conducted for Inland Resources, Inc. of seven project tracts situated in the Wells Draw to Pariette Bench locality of Duchesne and Uintah Counties, Utah. These parcels include portions of Sections 12 and 7 in the **Ashley Unit** (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the **South Wells Draw Unit** (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the **Odekirk Springs Unit**, and portions of Sections 15, 18, and 22 in the **South Pleasant Valley Unit** (T. 9 S., R. 17 E.). The purpose of this report is to detail the result of these evaluations.

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2,950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administrated by the Division of State School Trust Lands.

Field examinations were initially conducted in December 1997 and January 1998 and then again from mid-April through early June 1998. AERC archaeologists that participated on the project include Marcel Corbiel, Donna Daniels, Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Richard Francisca, Tammy Gibson, Scott Edmisten, and Christopher Davies. The field survey program was conducted under the direction of Glade Hadden, and/or F.R. Hauck. This work was done under Utah project UT-98-AF-0164bs, which expires on December 31, 1998.

A total of 28 prehistoric sites (42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, 2566) and four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) were identified and recorded during this project. Sites 42DC 1155, 1156, 1157, 1160, 1163, 1164, 1165, 1166, 1171, 1176, 1177 and 42UN 2532, 2533, 2534, 2536, and 2566 are considered non-significant cultural resources. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 are considered significant cultural resource under criteria established for the documentation of National Register of Historic Places (36CFR60.6).

No previously recorded significant or National Register eligible cultural resources will be adversely affected by well location development and access/pipeline route corridor development within the acreage cleared and reported within this document with adherence to the recommendations provided in the final section of this report.

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GENERAL INFORMATION

Between April 13 and June 9, 1998, a variety of AERC archaeologists including Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Scott Edmisten, Richard Francisco, Patrick Walker, and Christopher G. Davies acting under the direction of Glade Hadden and/or F.R. Hauck, conducted intensive cultural resource evaluations of seven acreage tracts situated between the Wells Draw locality of Duchesne County on the West, and the Pariette Bench locality of Uintah County on the East, in the Uinta Basin region of eastern Utah (see Map 1). Cultural evaluations within these tracts actually began in the winter of 1997-97 as initially reported in Hauck and Hadden 1997.

These seven project tracts are actually associated with Inland Resource's **Ashley, South Wells Draw, Odekirk Springs, and South Pleasant Valley Units**. These tracts include portions of Sections 12 and 7 in the **Ashley Unit** (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the **South Wells Draw Unit** (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the **Odekirk Springs Unit**, and portions of Sections 15, 18, and 22 in the **South Pleasant Valley Unit** (T. 9 S., R. 17 E.).

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administered by the Division of State School Trust Lands.

The purpose of this field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf. Title 36 CFR 60.6). The future oil/gas development within these various tracts requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management, and to the Utah State Antiquities Section, Division of State History.

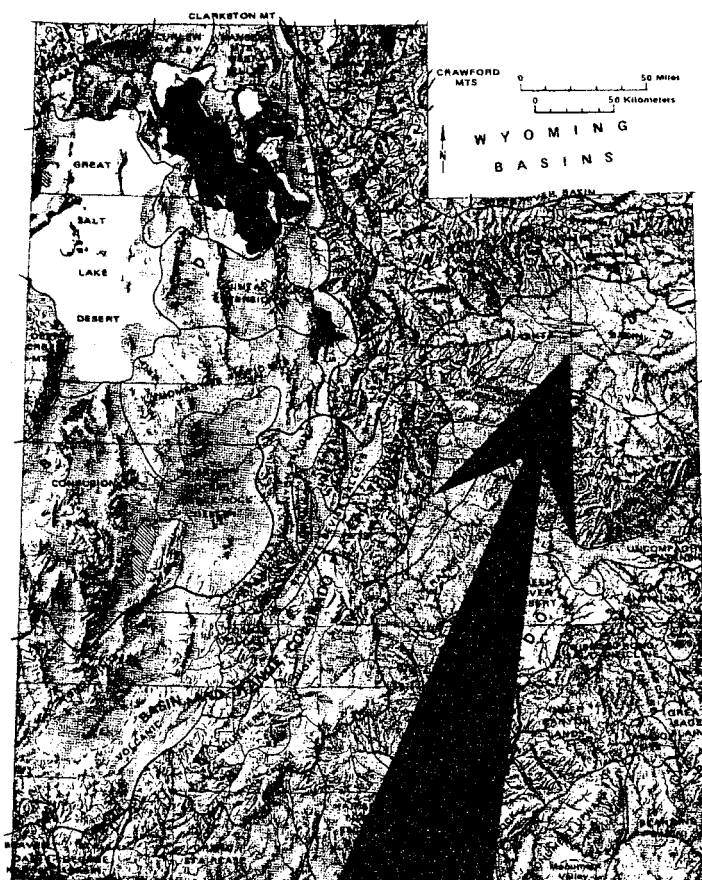
Project Location

The project area extends from the Wells Draw locality of Duchesne County eastward to the Pariette Bench locality of Uintah County, Utah. The seven tracts under investigation are situated on

MAP 1
PROJECT AREA FOR THE
INLAND RESOURCES 1998
DEVELOPMENT PROGRAM



PROJECT: IPC98-4
SCALE: 1: 200,650
DATE: 7/ 20/ 98



PROJECT AREA

TOWNSHIP: multiple
RANGE: multiple
MERIDIAN: multiple

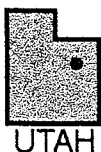
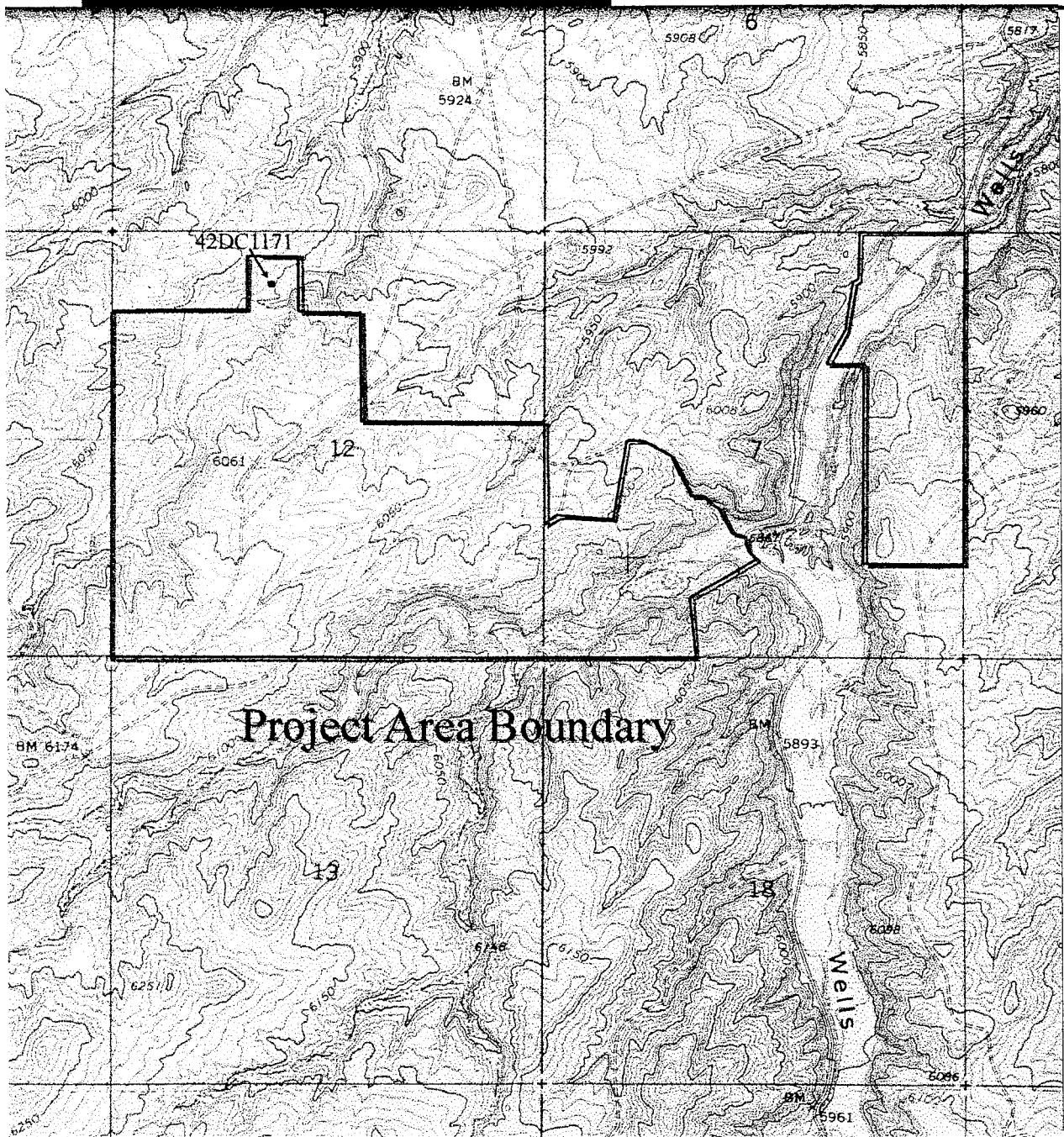
Utah Geological and Mineral Survey
 Map 43 1977

Physiographic Subdivisions of Utah
 by W.L. Stokes

MAP: 2
CULTURAL RESOURCE SURVEY
OF INLAND'S ASHLEY UNIT
IN THE WELLS DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SW
DATE: July 8, 1998



TOWNSHIP: 9 South
RANGE: 15 and 16 East
MERIDIAN: SL B. & M.

LEGEND

Area
 Inventoried

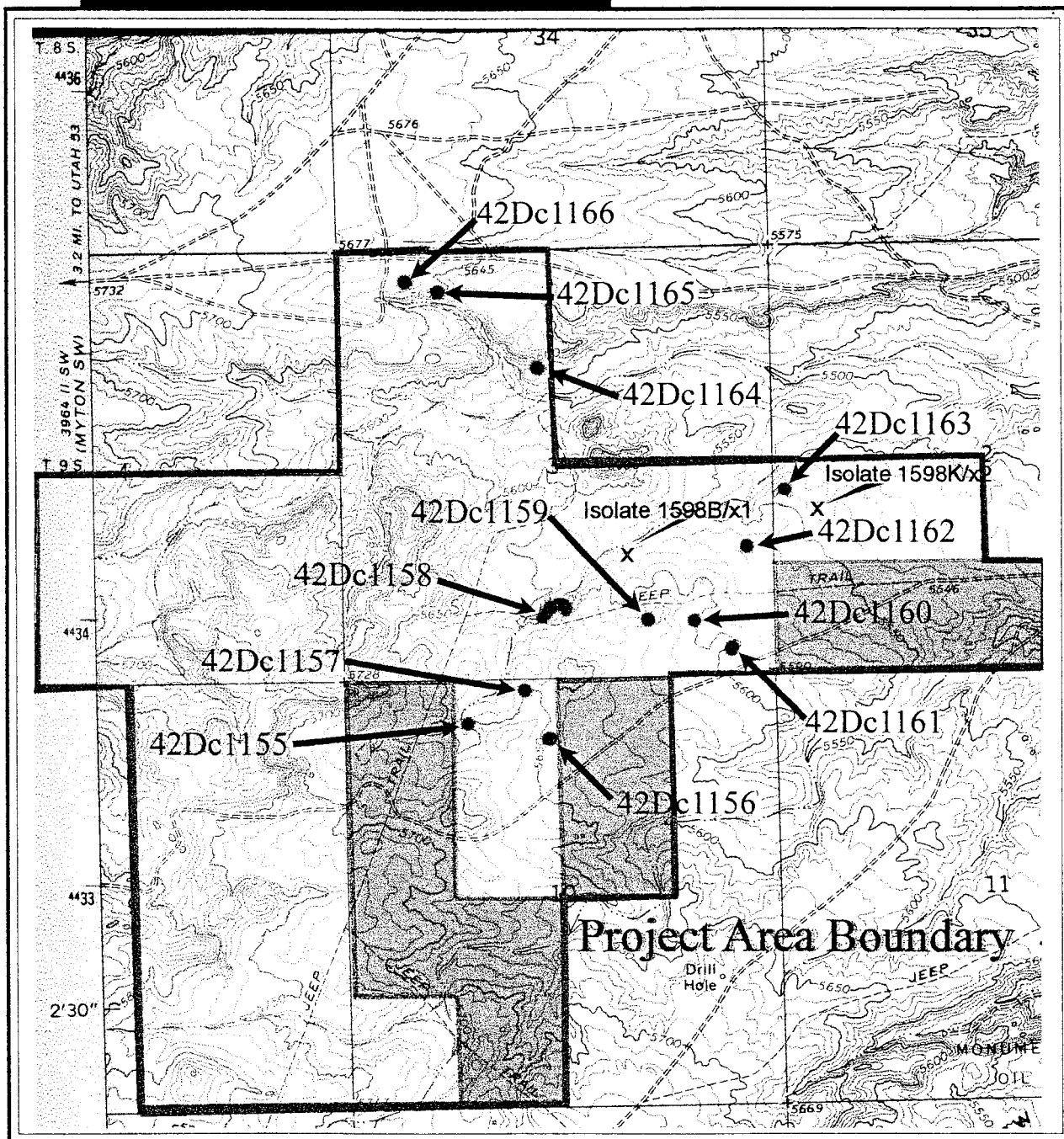
• CULTURAL
 SITE

MAP: 3
CULTURAL RESOURCE SURVEY
OF INLAND'S SOUTH WELLS DRAW
UNIT IN THE CASTLE PEAK DRAW
LOCALITY OF UINTAH COUNTY, UTAH

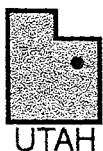


PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SE
DATE: July 3, 1998

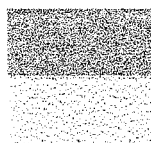
4



LEGEND



TOWNSHIP: 9 South
RANGE: 16 East
MERIDIAN: SL B. & M.



Area Reported in
 IPC97-5A & 98-3B
 Reports
 Area Reported
 Pertinent to this
 Report

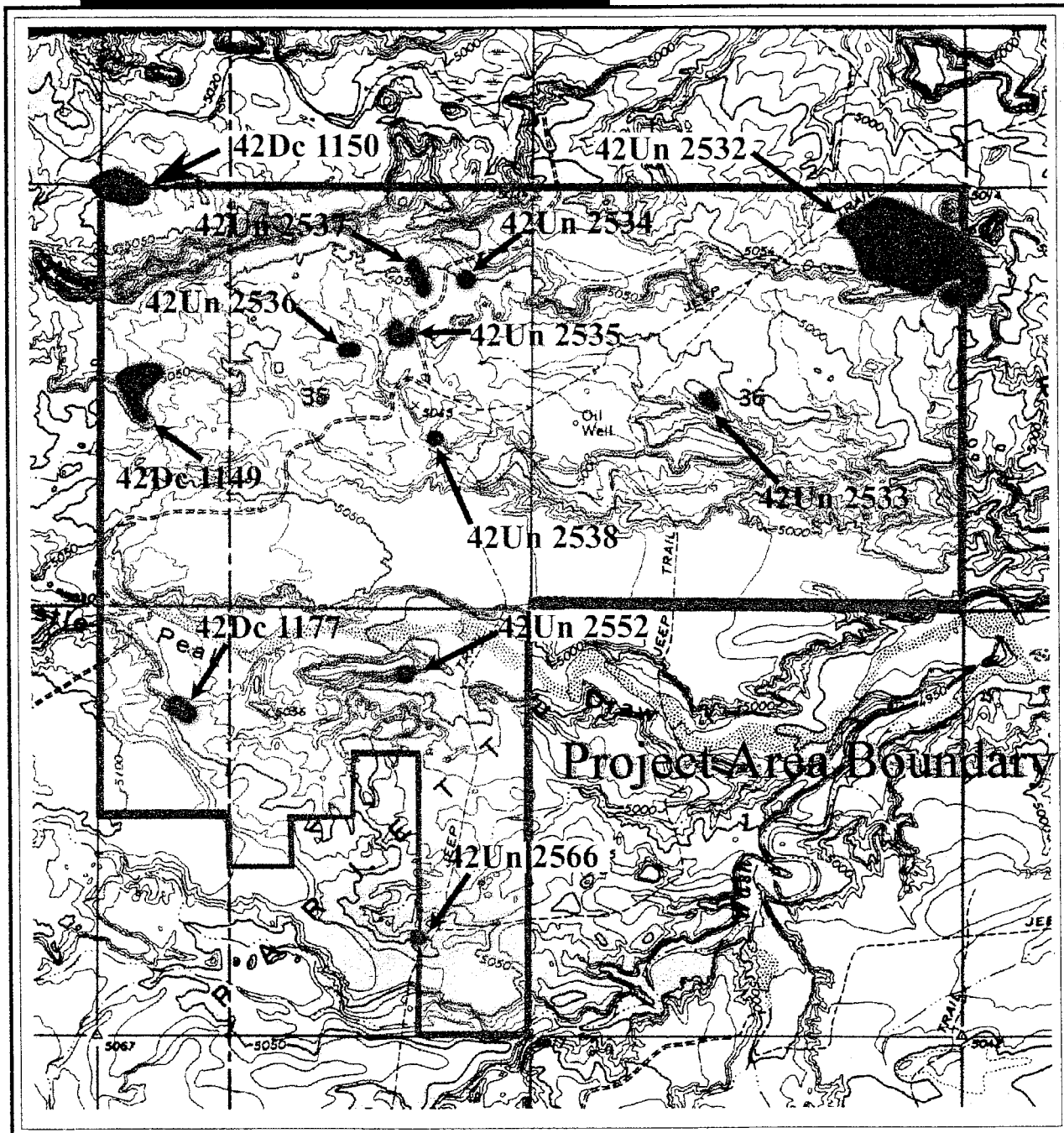
● CULTURAL
 SITE
 X ISOLATED
 ARTIFACT

SURVEYED TWICE?
 DIFFERENT LOOK TO ORIGINAL DIGITIZING

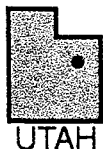
**MAP 4: CULTURAL RESOURCE
SURVEY OF INLAND'S ODEKIRK
SPRINGS UNIT IN THE CASTLE PEAK
DRAW LOCALITY OF DUCHESNE &
UINTAH COUNTIES, UTAH**



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Pariette Draw SW
DATE: July 3, 1998



LEGEND



TOWNSHIP: 8 and 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

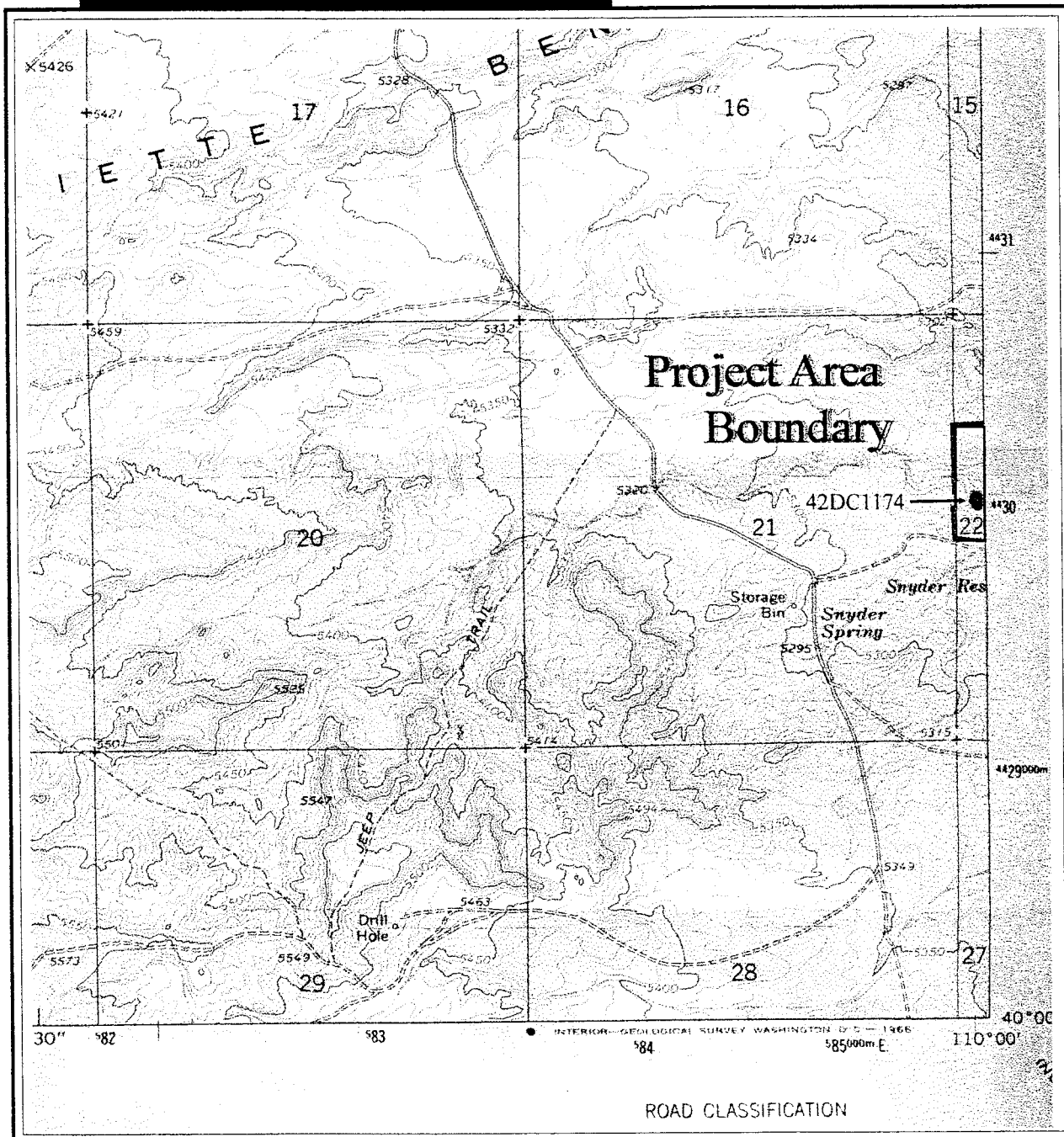
Area
Inventoried

• CULTURAL
SITE

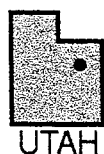
**MAP: 5 CULTURAL RESOURCE
SURVEY OF INLAND'S SOUTH
PLEASANT VALLEY UNIT IN THE
PARIETTE BENCH LOCALITY
OF DUCHESNE COUNTY, UTAH**



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton, SE
DATE: July 9, 1998



LEGEND



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.

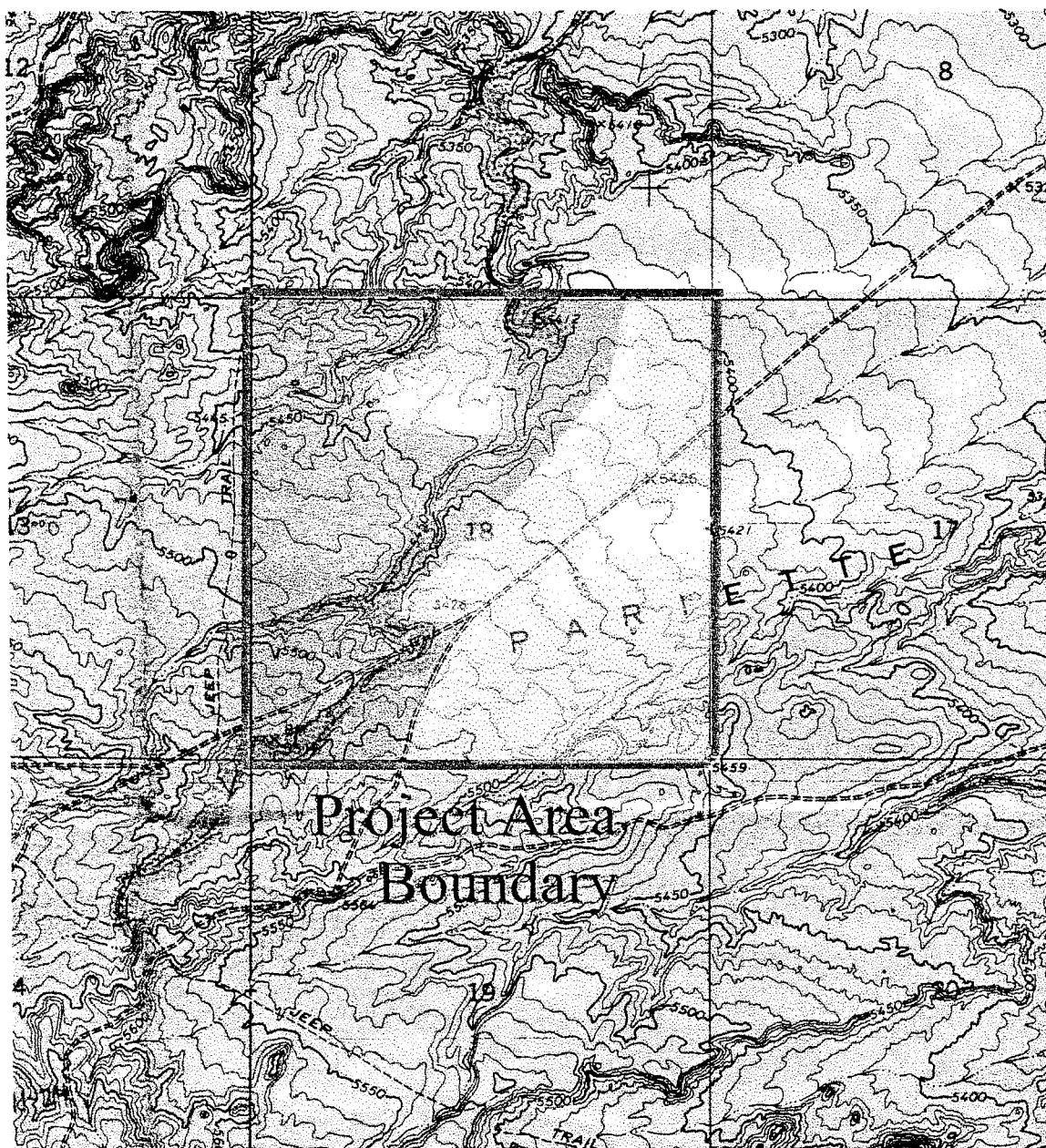
**Area
Inventoried**

**CULTURAL
SITE**

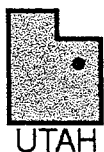
MAP 7:
CULTURAL RESOURCE SURVEY
OF INLAND BULK ACREAGE IN THE
SOUTH PLEASANT VALLEY LOCALITY
OF DUCHESNE COUNTY, UTAH



PROJECT: IPC98-4
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: July 9, 1998



LEGEND



TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: SL B. & M.



Bulk Acreage Survey Evaluated in
 1997 as Reported in Hauck &
 Hadden 1997:5 (IPC97-5A, Map 4)

Bulk Acreage Survey Completed in
 Spring 1998 for this Report

the Myton SE, Myton SW, and Pariette Draw SW 7.5 minute USGS quads as shown on Map 2 through Map 7. The seven inventoried tracts are located in the following Lease Units:

Ashley Unit (see Map 2)

Evaluated parcels in this unit, as reported in this current document, total 689 acres and include the southern half and portions of the northwest and northeast quarters of Section 12, Township 9 South, Range 15 East (Salt Lake B. & M.). Portions of the southwest quarter, the northeast quarter, and the southeast quarter of Section 7, Township 9 South, Range 16 East are also included.

This acreage includes the following locations: 3-12, 5-12, 6-12, 9-12, 10-12, 11-12, 13-12, 14-12, 15-12, 16-12 (all in Section 12), and 1-7, 8-7, 9-7, 11-7, 13-7, and portions of 14-7 (all in Section 7).

South Wells Draw Unit (see Map 3)

Evaluated portions of this unit, as reported in this current document, total 1,240 acres and include the northern half of the southwest quarter of Section 2, all of Section 3 except for the northeast quarter, the southeast quarter and the eastern half of the southwest quarter of Section 4, the eastern half of Section 9, and the eastern half of the northwest quarter and the southwest quarter of the southwest quarter of Section 10, Township 9 South, range 16 East.

This acreage includes the following locations: 11-2 and 12-2 (in Section 2), 3-3, 4-3, 5-3, 6-3, 9-3, 10-3, 11-3, 12-3, 13-3, 14-3, 15-3, and 16-3 (in Section 3), 9-4, 10-4, 11-4, 12-4, 13-4, 14-4, 15-4, and 16-4 (in Section 4), 1-9, 2-9, 7-9, 8-9, 9-9, 10-9, 15-9, 16-9 (in Section 9), and 3-10, 6-10, and 13-10 (in Section 10).

Odekirk Springs Unit (see Map 4)

Evaluated portions of this unit, as reported in this current document, total 1,529 acres and include Sections 35 and 36 of Township 8 South, Range 17 East. In addition, portions of the northwest, northeast, and southeast quarters of Section 2, Township 9 South, Range 17 East were also evaluated.

This acreage includes the following locations: 1-35 through 16-35 in Section 35, 1-36 through 16-36 in Section 36, and previously unevaluated acreage associated with units 1-2, 2-2, 3-2, 4-2, 5-2, 6-2, 7-2 8-2, 9-2, and 16-2 all in Section 2. 9-17

South Pleasant Valley Unit (see Maps 5, 6, and 7)

Evaluated portions of this unit total 461 acres and include the southeast quarter of the northeast quarter and the northeast quarter of the southeast quarter of Section 15 (also noted in

Hauck 1998c), portions of the northeast, northwest and southwest quarters of Section 18, and, in Section 22, the southwest quarter of the northwest quarter and the southeast quarter of the northeast quarter.

This acreage includes the following locations: 8-15 and 9-15 in Section 15 (previously reported in Hauck 1998c), units 2-18, 4-18, 5-18, 6-18, and portions of 7-18, 11-18, 12-18, 13-18, and portions of 14-18 in Section 18, and 5-22, 8-22 in Section 22.

Environmental Description

The various project tracts associated with this report are within the 5200 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lake bed surfaces are affiliated with the entire project area.

The vegetation in the project area includes rabbit brush (*Chrysothamnus spp.*), sagebrush (*Artemisia spp.*), Winterfat (*Ceratoides lanata*) greasewood (*Sarcobatus spp.*), Sulphur flower Buckwheat (*Eriogonum umbellatum*) Mormon tea (*Ephedra viridis*), Halogeton, Mountain Mahogany (*Cercocarpus spp.*), saltbush (*Atriplex canescens*), and a variety of grasses.

The geological associations within the project area consist of Quaternary age sand and gravel deposits and fluvial lake deposits which correlate with the Uintah Formation of Tertiary age throughout the remainder of the tracts being considered in this report.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 6, 1997 in association with the primary project as requested by Inland Resources, Inc. A similar search was conducted in the Vernal District Office of the BLM on November 10, 1997 and March 18, 1998. Searches were also initiated during the spring of 1998 in order to check various parcels added to the evaluation by Inland Resources. The National Register of Historic Places was consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the general locality. Many of these prehistoric resources were identified and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck (various), Hauck and Hadden 1993, 1994, 1995, 1996, 1997).

Prehistory of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - 300 A.D.), and Formative (ca. A.D. 400 - 1100) stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern Period which was initiated with the incursion of the Euro-American trappers, explorers and settlers. Basically, each cultural stage--with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands--features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see *Archaeological Evaluations in the Northern Colorado Plateau Cultural Area* (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places. The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "tap and test" variety, and extend for tens of hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Early and Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of both Llano and Plano style projectile points as isolated artifacts and from archaeological sites. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numic) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e. Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section for a site/acre ratio ranging between 1/80 and 1/53 in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits. In the Wells Draw and Castle Peak Draw localities, site density appears to be very high (possibly as high as the site/acre ratio of 1/25), especially in areas near water courses and seep sources.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects within the various tracts as defined above for this project area. Thus, 3,919 acres were inventoried relative to this present project.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. of North Salem, New Hampshire). GPR was not used during this project.

Following these field analyses, cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are developed by the principal investigator in consultation with both the client and relevant governmental agencies as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American . . . archaeology . . . and culture is present in . . . sites . . . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction . . . ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Register of Historic Places.

Results of the Inventory

A total of 28 prehistoric archeological sites and four isolated artifacts was recorded during the archaeological evaluation of the various tracts in this project area. These sites consist of 42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, and 2566. A brief description of each site, the site maps, cultural significance determinations, and mitigation recommendations are provided in this portion of the report. A discussion of the four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) follows the site discussion.

Site 42DC 1149 (see Maps 4 and 8)

This site is a large, diffuse scatter of lithic debitage, cores and tools on an elevated bench and ridge complex associated with stabilized aeolian deposits. The site occupation area occurs in and among a large sandstone outcrop or monolith at the highest/westernmost edge of the scatter area. Fire cracked rock concentrations, tools and shatter predominate at the occupation area, while primary flakes, cores and shatter occur at low rates across the remainder of the site.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Units 5-35 and 12-35.

Site 42DC 1150 (see Maps 4 and 9)

This site consists of a very large dispersed scatter of lithic debitage in all stages of reduction and tool manufacture, tools and hearth remains along the top and sides of a large dune. Artifacts are eroding from the dune field and are exposed in blowouts and along the dune.

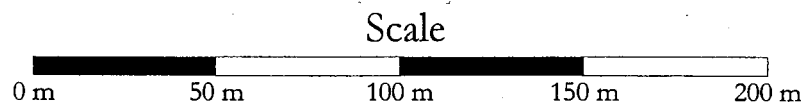
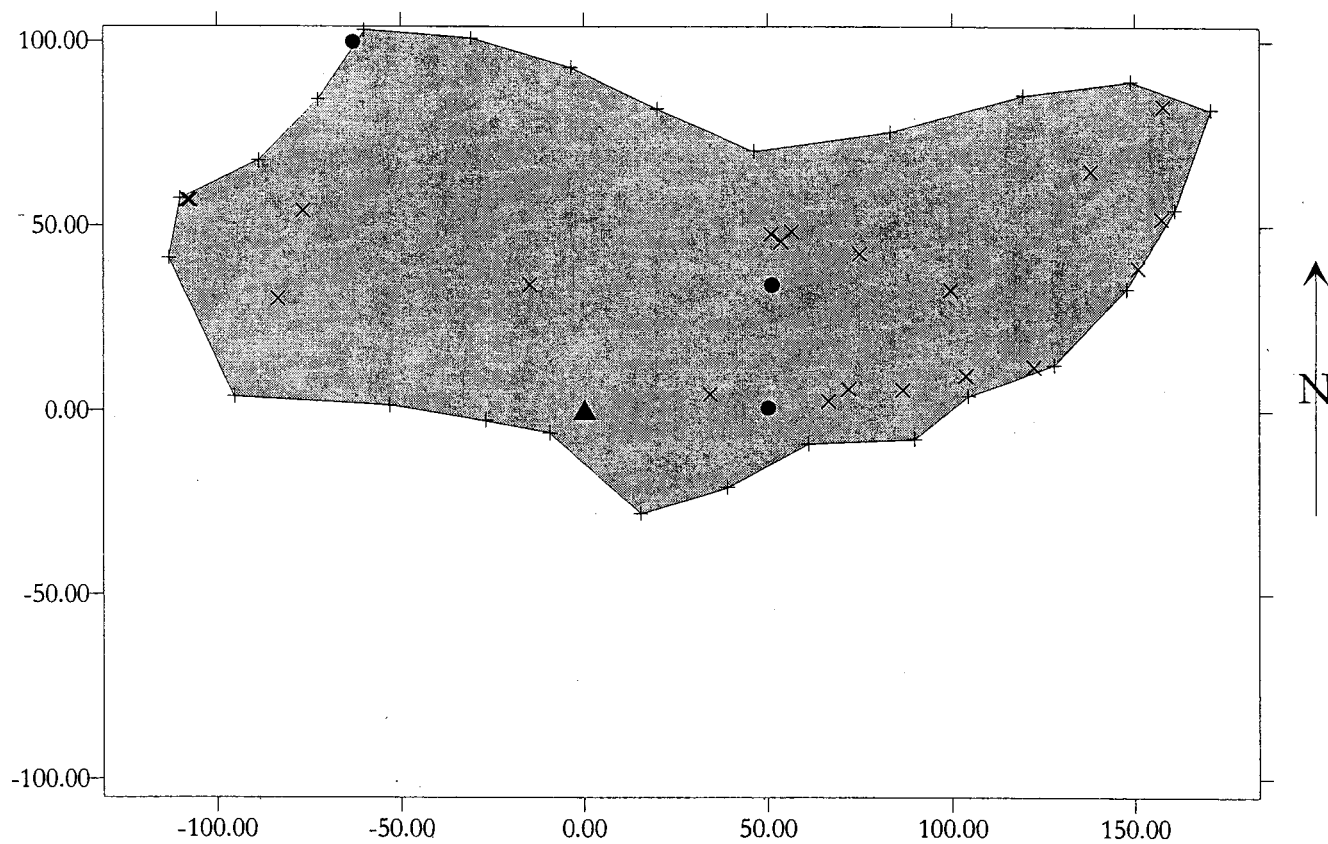
Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 4-35.

MAP 8: SITE 42DC 1149

14

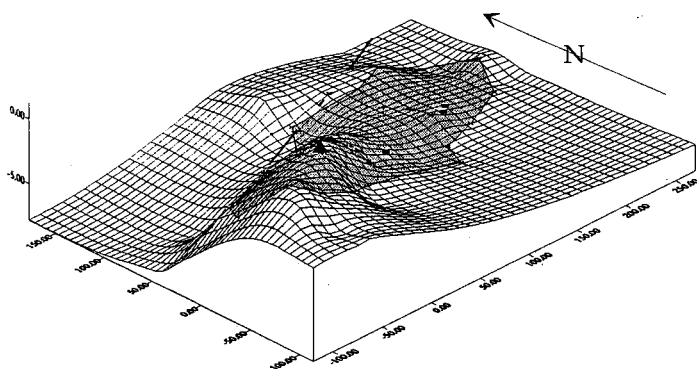
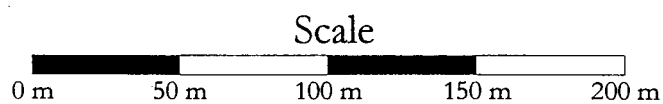
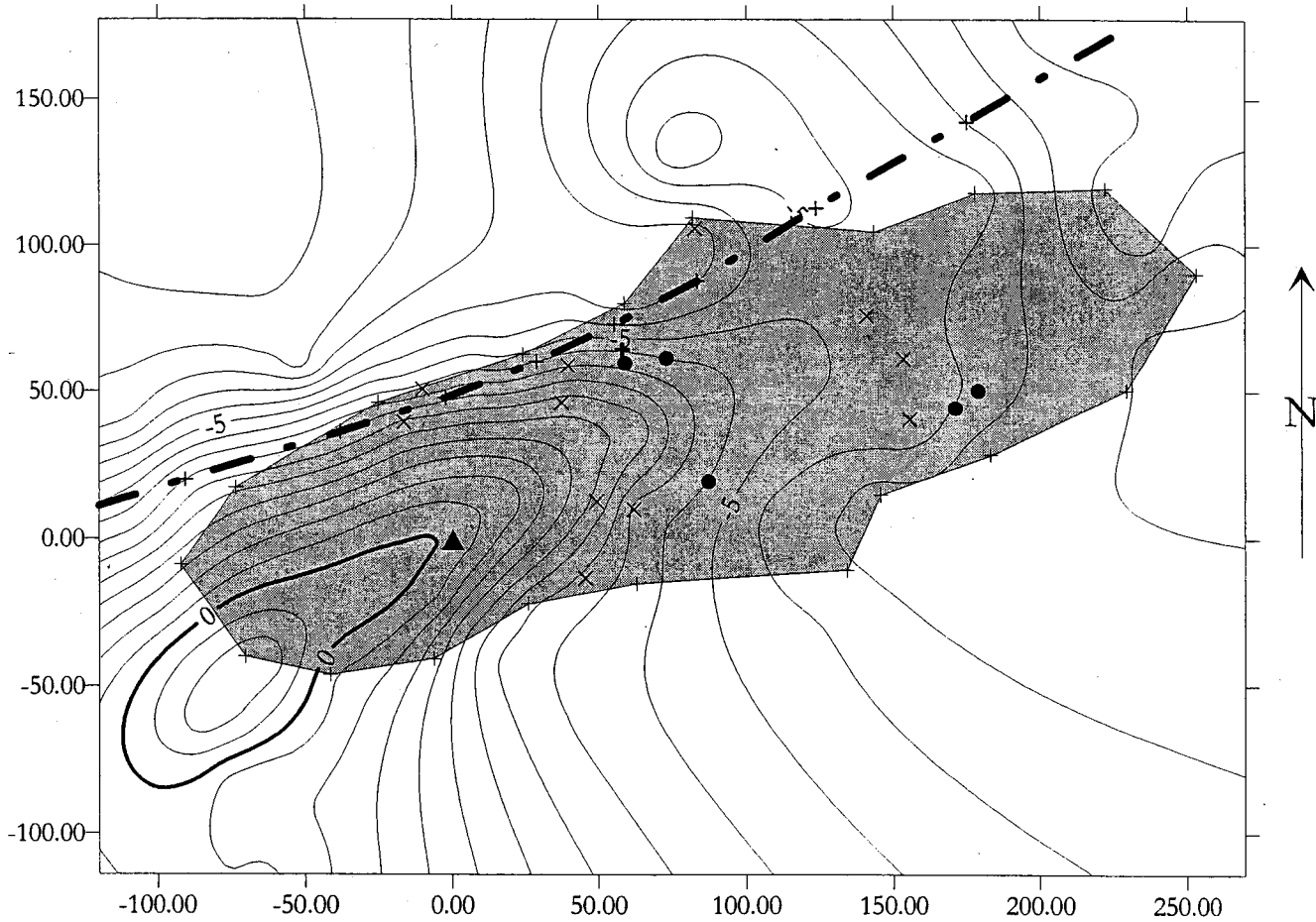


Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- Extent of Site

MAP 9: SITE 42DC 1150

15



Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- ⊕ Section Corner
- - - Pipeline
- Extent of Site

Site 42DC 1155 (see Maps 3 and 10)

Site consists of a scatter of Mesa Verde corrugated grayware that was manufactured during the late Pueblo-II, early Pueblo-III occupation in the Southwest cultural area. The artifact evidently represents a trade item brought into the Uinta Basin. Similar artifacts have been previously recorded for this region and the adjacent White River region of northwestern Colorado (Hauck 1991). The site was located within sandstone bedrock exposures.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1156 (see Maps 3 and 10)

Site consists of dispersed lithic scatter of about five fragments of debitage and a Paleoindian point midsection (see Figure 1A) that may be a portion of an Eden point. This site is located on a flat surface southeast of an isolated low knoll. The artifacts are all localized Parachute Creek chert.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1157 (see Maps 3 and 11)

Site consists of scoured rock shelter-ledge complex with an associated lithic scatter of 5+ fragments of Parachute Creek chert debitage. Also observed on the site was a single, simple biface or chopper exhibiting alternate flaking. Similar tools have been observed in Paleoindian through Middle Archaic large game butchering contexts.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1158 (see Maps 3 and 12)

Site consists of series of scoured rock shelters, an associated lithic scatter, one complete projectile point and a point midsection, biface tools and hearths. Parachute Creek chert tools and debitage predominate on the site. Features include three hearths and rock shelters. A complete projectile point of Plano through Early Archaic manufacture and a Paleoindian point midsection were collected (see Figures 1B and 1C).

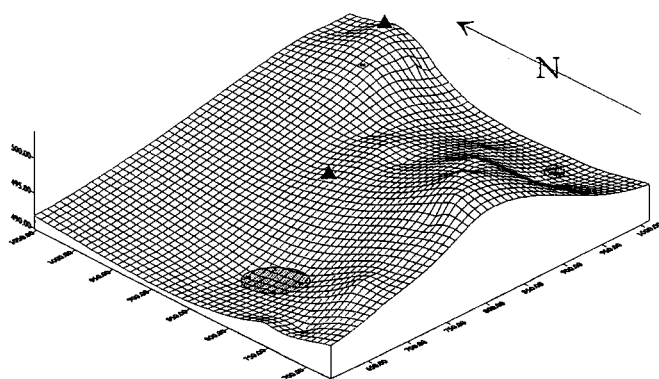
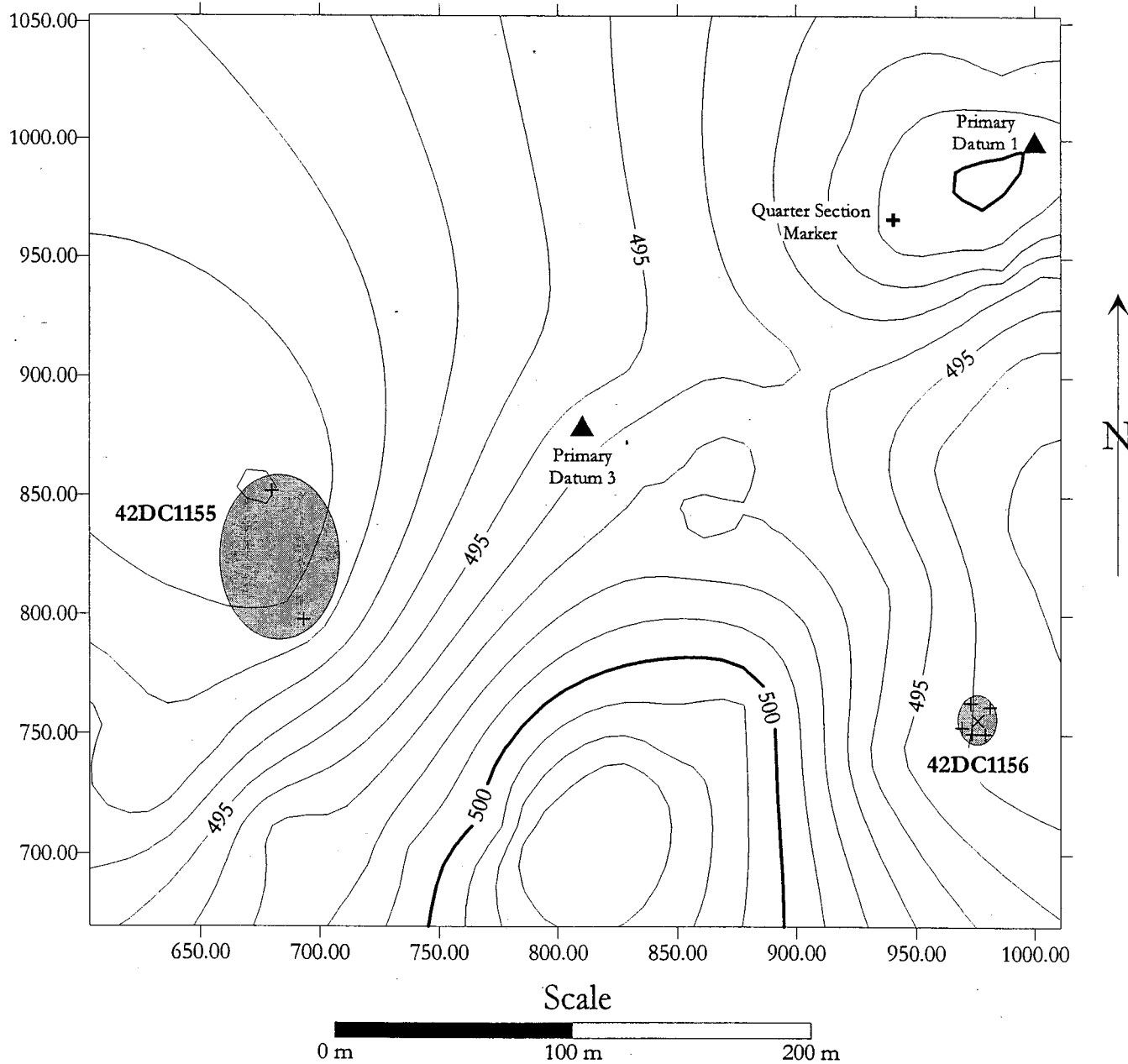
Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Units 14-3 and 15-3.

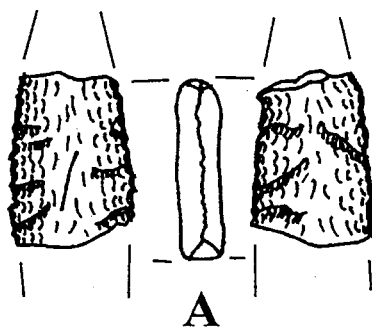
MAP 10: SITES 42DC 1155 & 42DC 1156

17



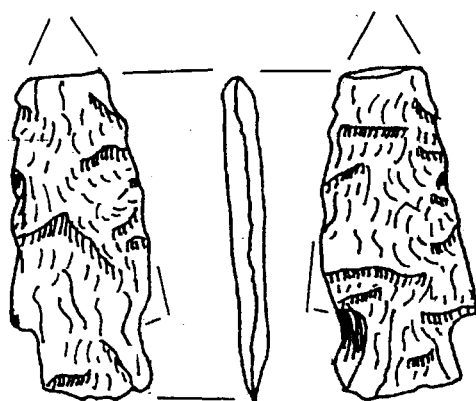
Legend

- ▲ Datum Location
- × Artifact Location
- ⊕ Quarter Section Marker
- Extent of Site



42DC 1156
(FS-1022)

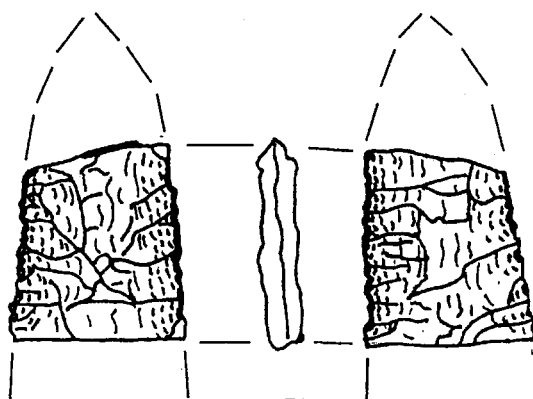
A



B

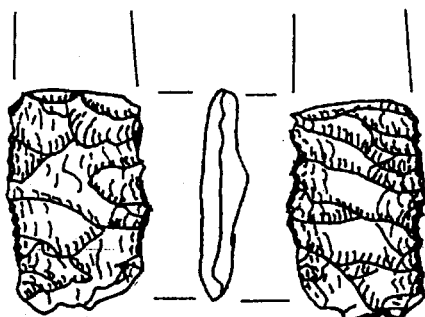
FS-1012

42DC 1158



C

FS-1007



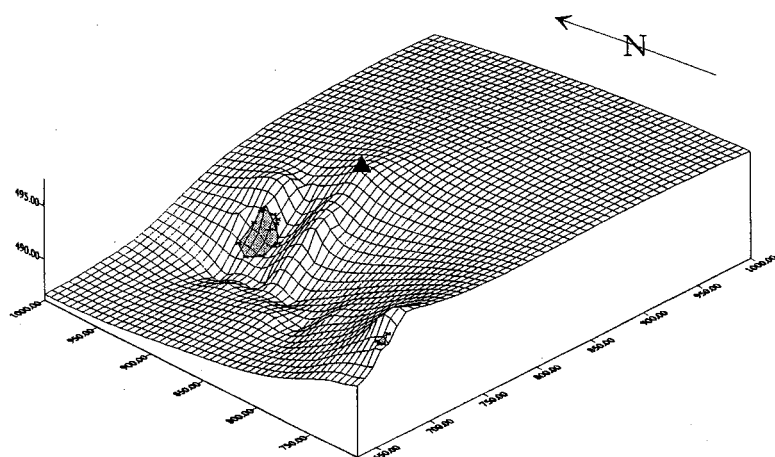
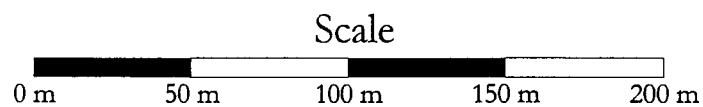
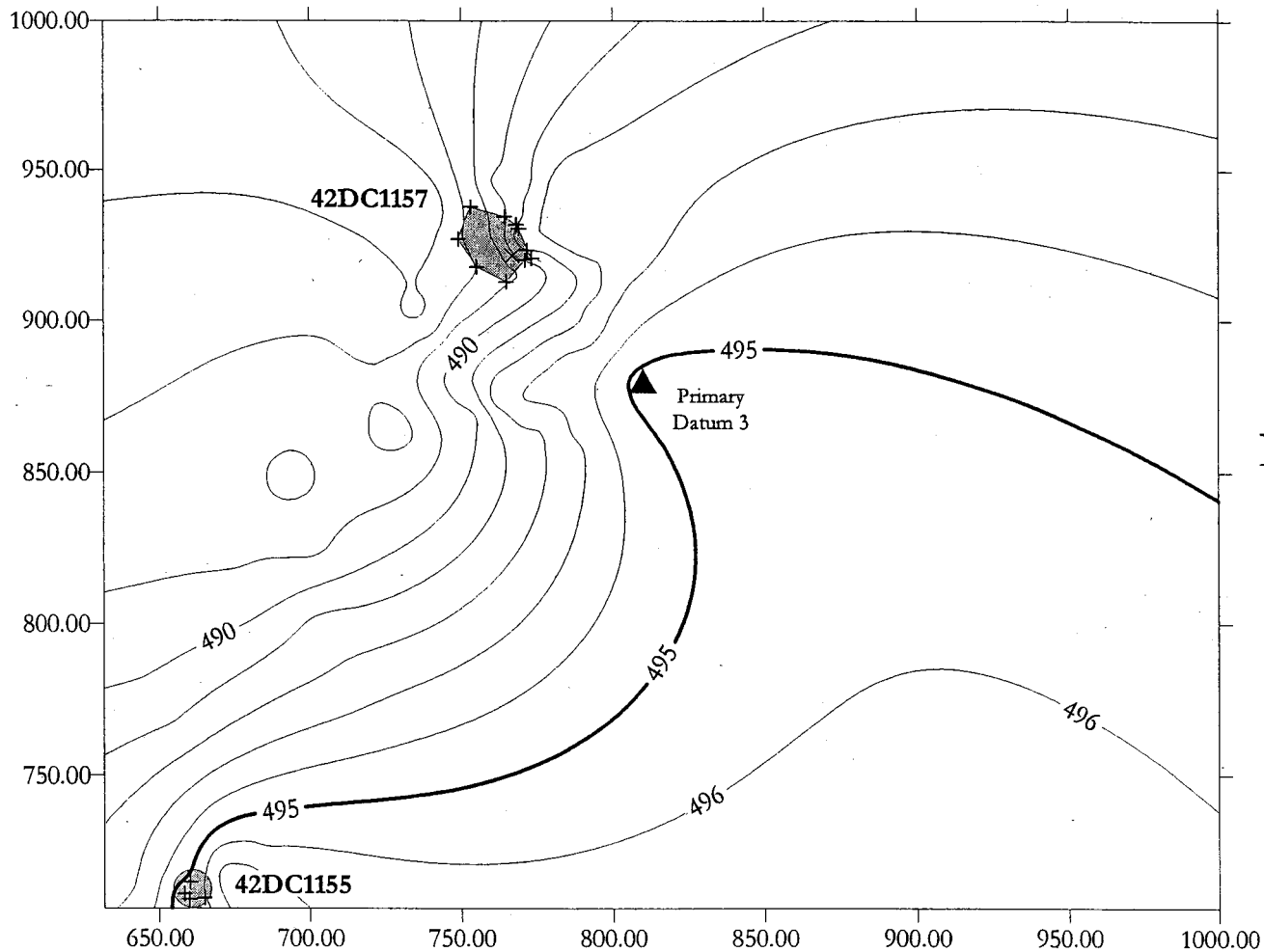
42DC1159
FS-1011

D

FIGURE 1

MAP 11: SITE 42DC 1157

19

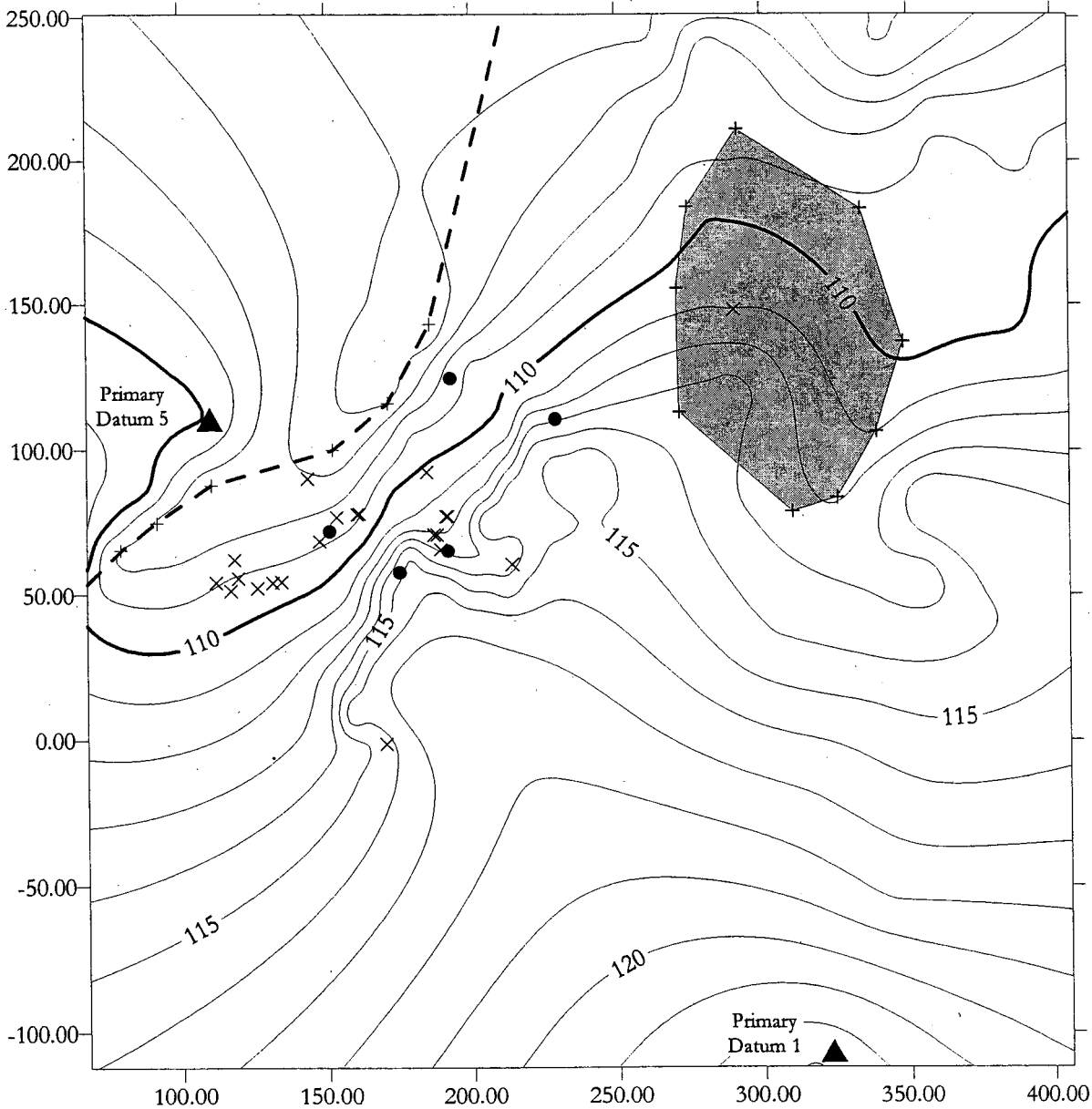


Legend

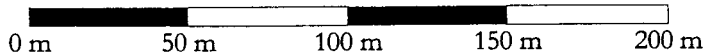
- ▲ Datum Location
- × Artifact Location
- Extent of Site

MAP 12: SITE 42DC 1158

20

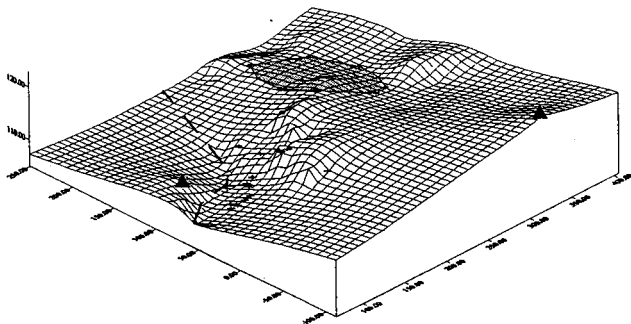


Scale



Legend

- ▲ Datum Location
- × Artifact Location
- Feature
- \\ Drainage Channel
- Artifact Concentration



Site 42DC 1159 (see Maps 3 and 13)

Site consists of dispersed lithic scatter located on the western slope drainage area of an isolated low knoll. Artifacts include Parachute Creek chert debitage, two bifaces and a Paleoindian (Goshen style) projectile point base (see Figure 1D).

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 15-3.

Site 42DC 1160 (see Maps 3 and 14)

Site consists of dispersed lithic scatter located in a shallow drainage area southeast of an isolated low knoll. Artifacts include Parachute Creek chert debitage, a unifacially retouched scraper and a core/chopper and projectile point (see Figure 2A) that was located some outside the main lithic scatter. The dart point appears to be an Elko Eared variety which correlates with the Early Archaic occupational phase of the Uinta Basin.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1161 (see Maps 3 and 15)

Site consists of an open occupation and lithic scatter located on a low ridge. Artifacts include a Paleoindian 'Alberta' point (see Figure 2B) and a number of bifaces. The dominant lithic material type is the local float consisting of Parachute Creek chert.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 16-3.

Site 42DC 1162 (see Maps 3 and 16)

Site consists of an open occupation and lithic scatter located on a low ridge and into an adjacent plain to the south. Artifacts include a quartzite hammerstone, Parachute Creek chert cores, two bifaces and lithic debitage in all stages of lithic tool manufacture. The dominant lithic material type is Parachute Creek chert debitage.

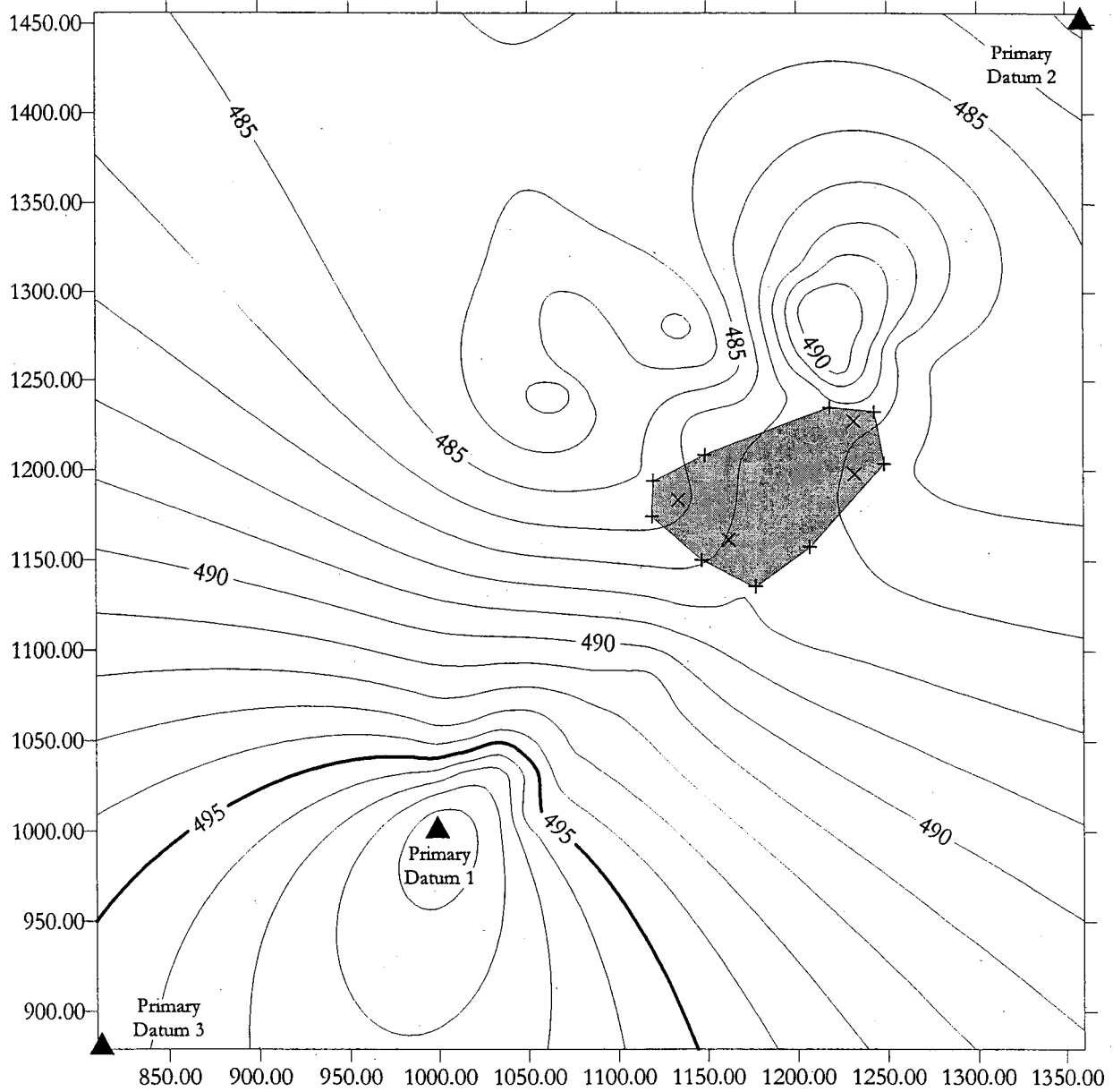
Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

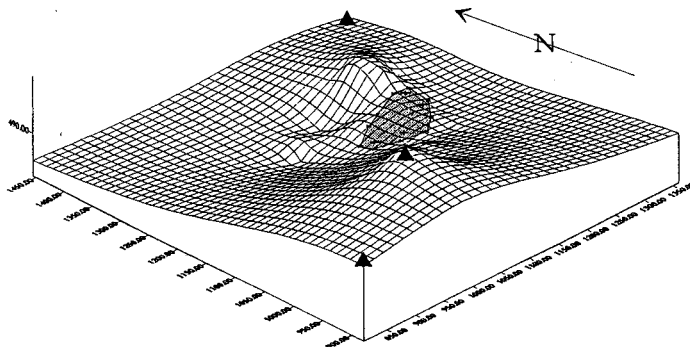
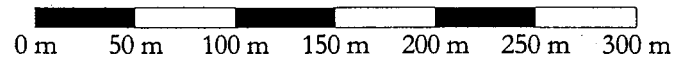
Recommendation: Avoidance during any surface development related to Unit 9-3.

MAP 13: SITE 42DC 1159

22



Scale

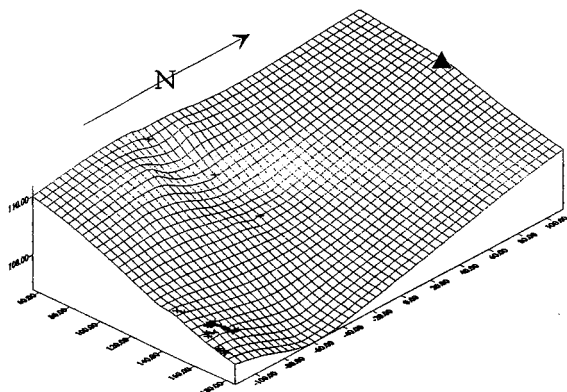
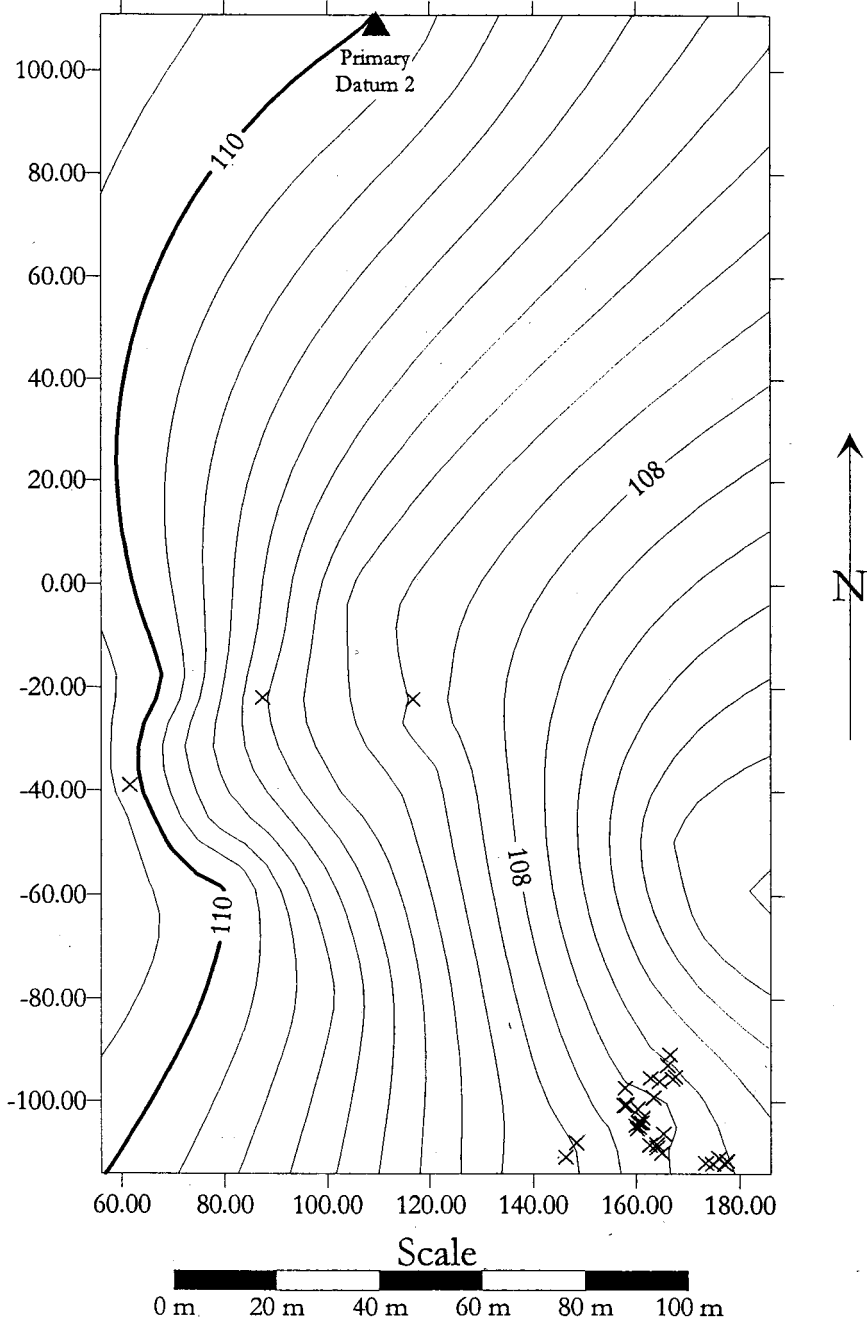


Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site

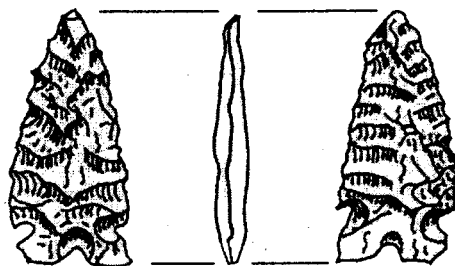
MAP 14: SITE 42DC 1160

23

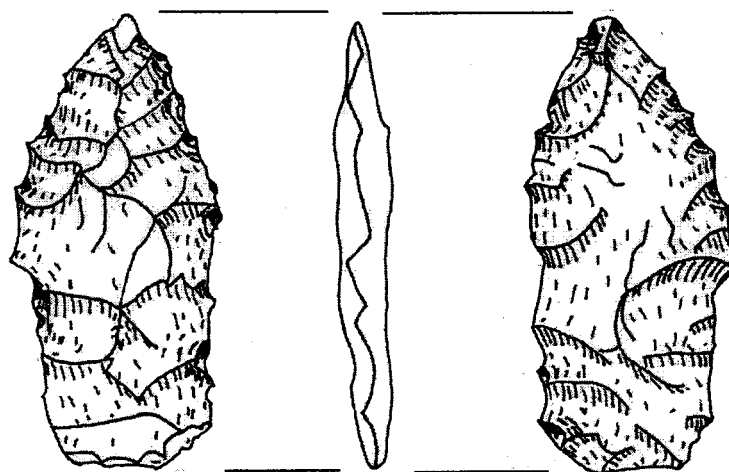


Legend

- ▲ Datum Location
- × Artifact Location



A
42DC 1160
(FS-1031)

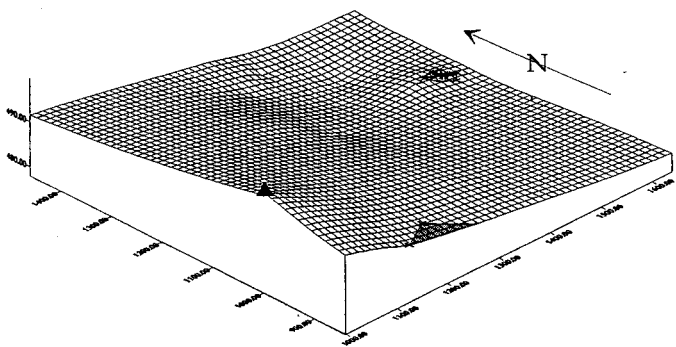
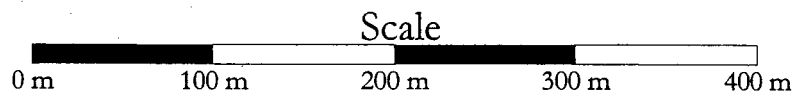
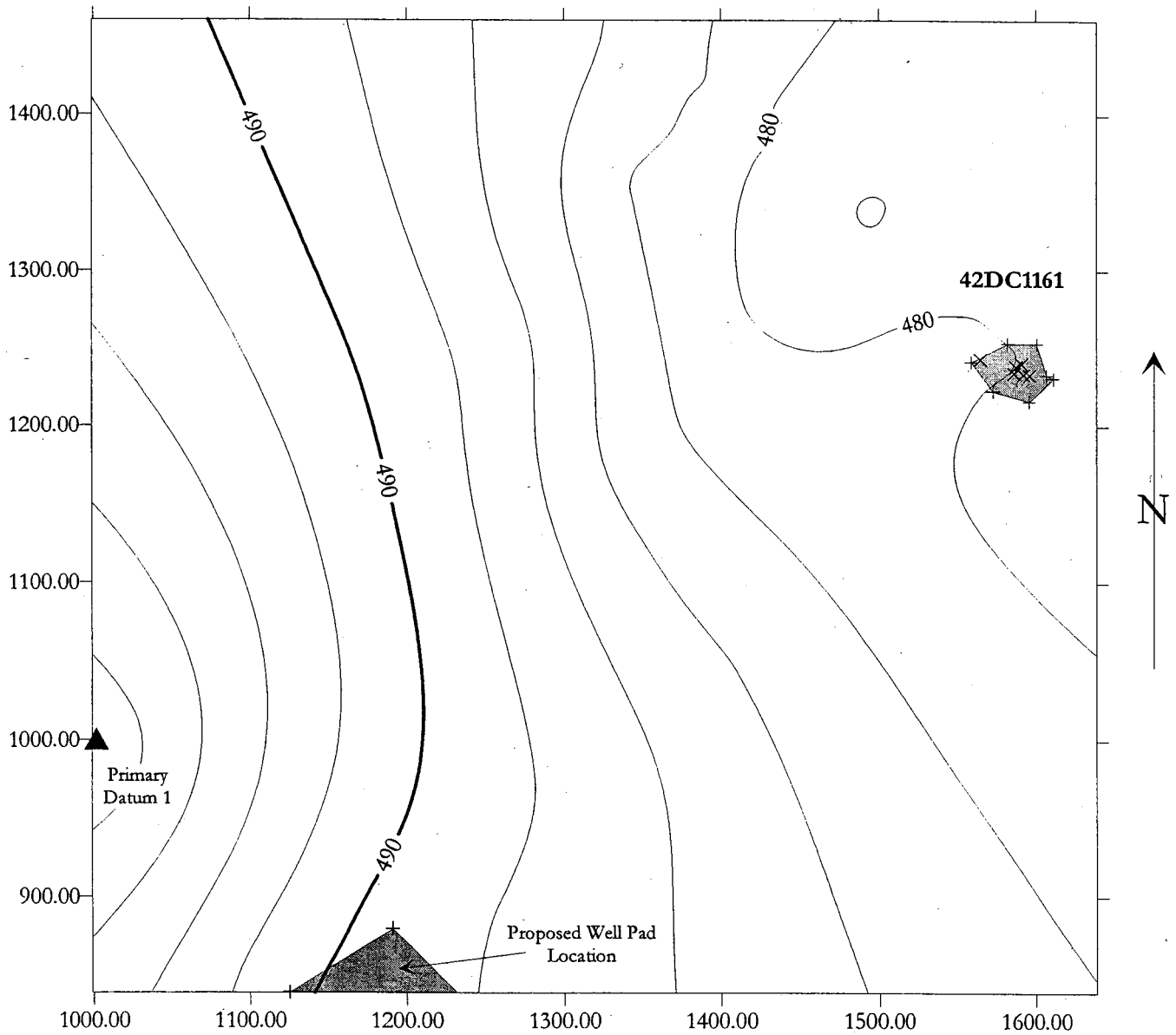


B
42DC 1161

FIGURE 2

MAP 15: SITE 42DC 1161

25

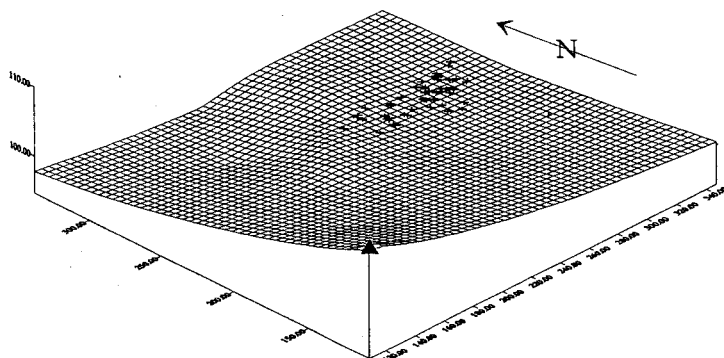
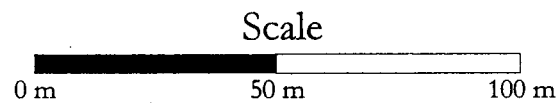
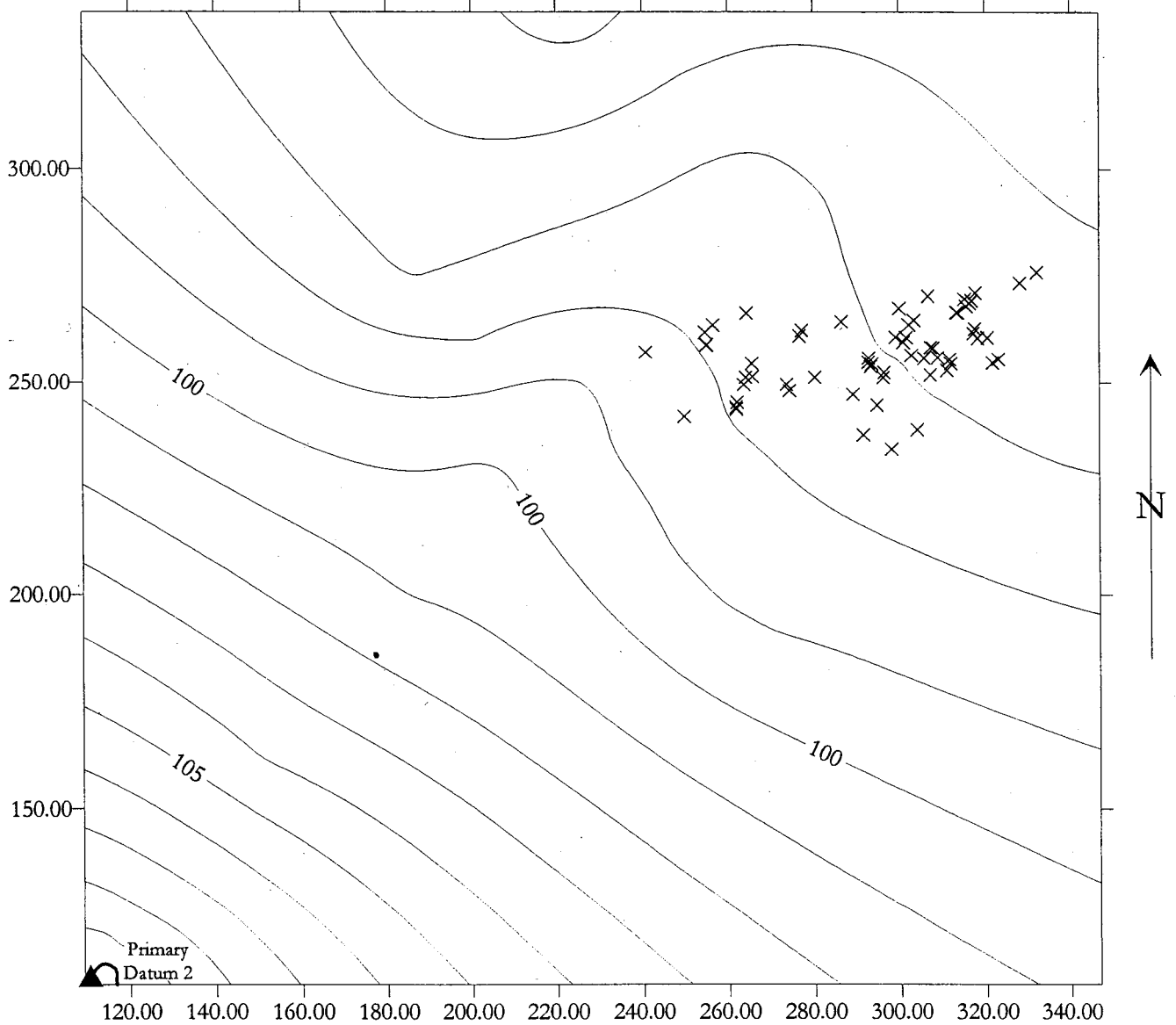


Legend

- ▲ Datum Location
- × Artifact Location
- Proposed Well Pad Location
- Extent of Site

MAP 16: SITE 42DC 1162

26



Legend

- ▲ Datum Location
- × Artifact Location

Site 42DC 1163 (see Maps 3 and 17)

Site consists of a lithic scatter located on a sandy plain with a gradual slope on and around an isolated outcrop. Artifacts are limited to Parachute Creek chert debitage in all stages of lithic tool reduction and manufacture.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1164 (see Maps 3 and 18)

Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1165 (see Maps 3 and 19)

Site consists of a dispersed scatter of lithic debitage, tools, ground stone and several deflated hearth scatters located on a ledge near the bottom of a slope. Ledges run westward from the site with scattered artifacts along the top and bottom of the ledge complex. Parachute Creek chert is predominate on the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1166 (see Maps 3 and 20)

Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

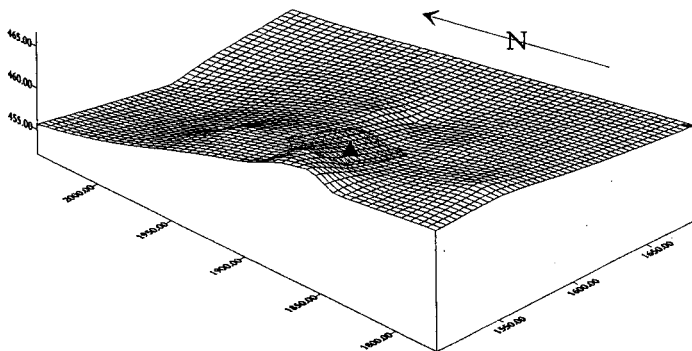
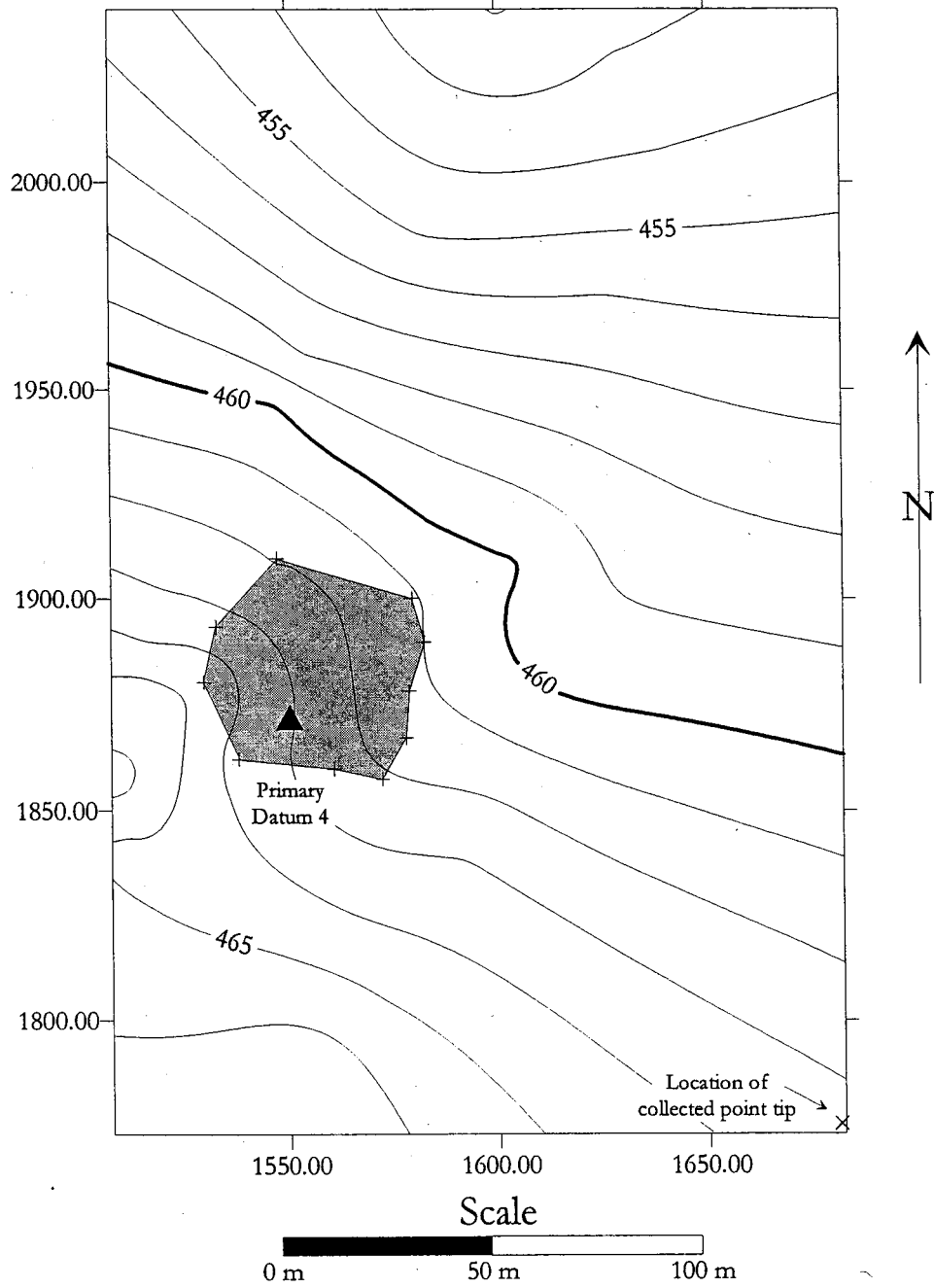
Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

MAP 17: SITE 42DC 1163

28

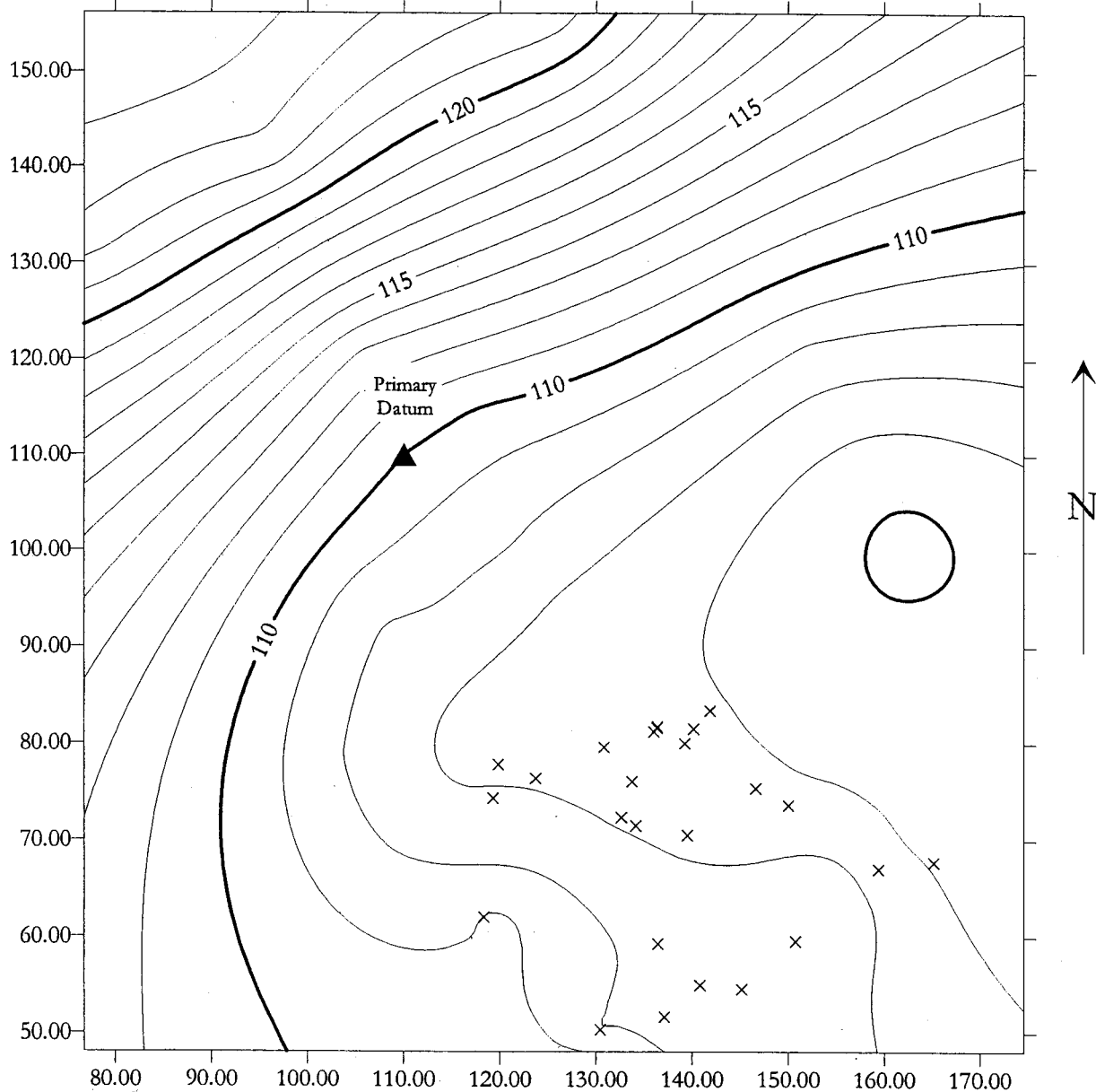


Legend

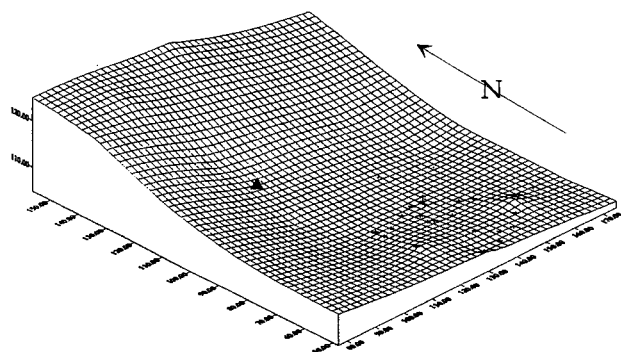
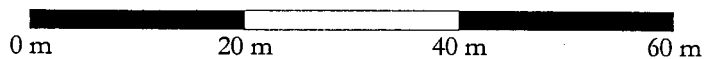
- ▲ Datum Location
- × Artifact Location
- Extent of Site

MAP 18: SITE 42DC 1164

29



Scale

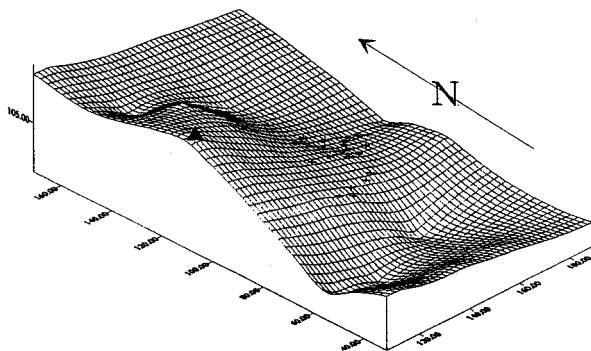
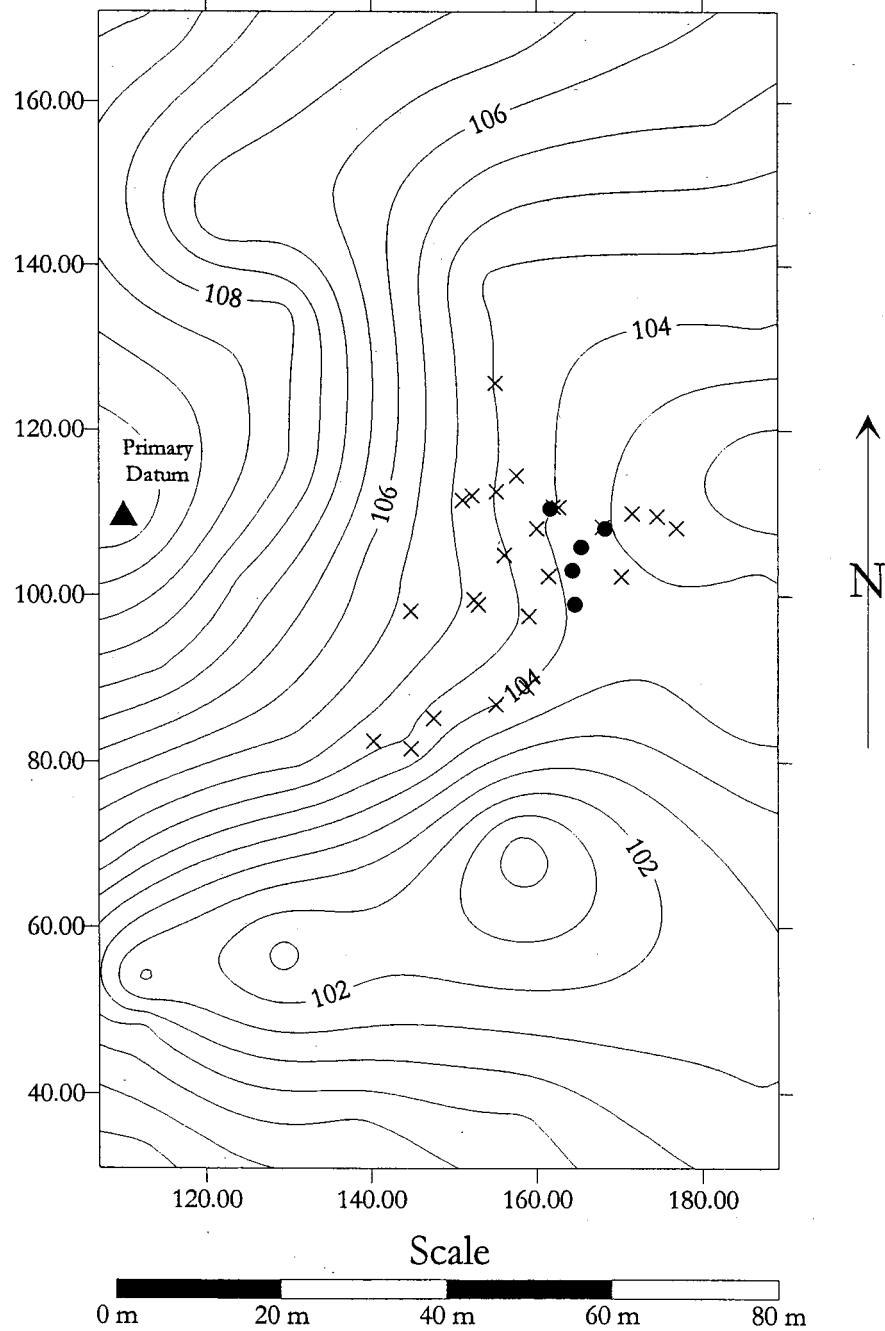


Legend

- ▲ Primary Datum
- × Artifact Location

MAP 19: SITE 42DC 1165

30

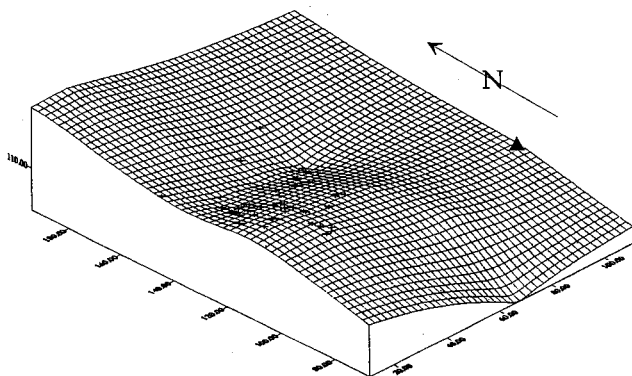
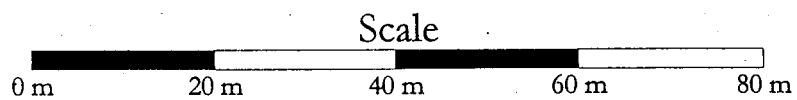
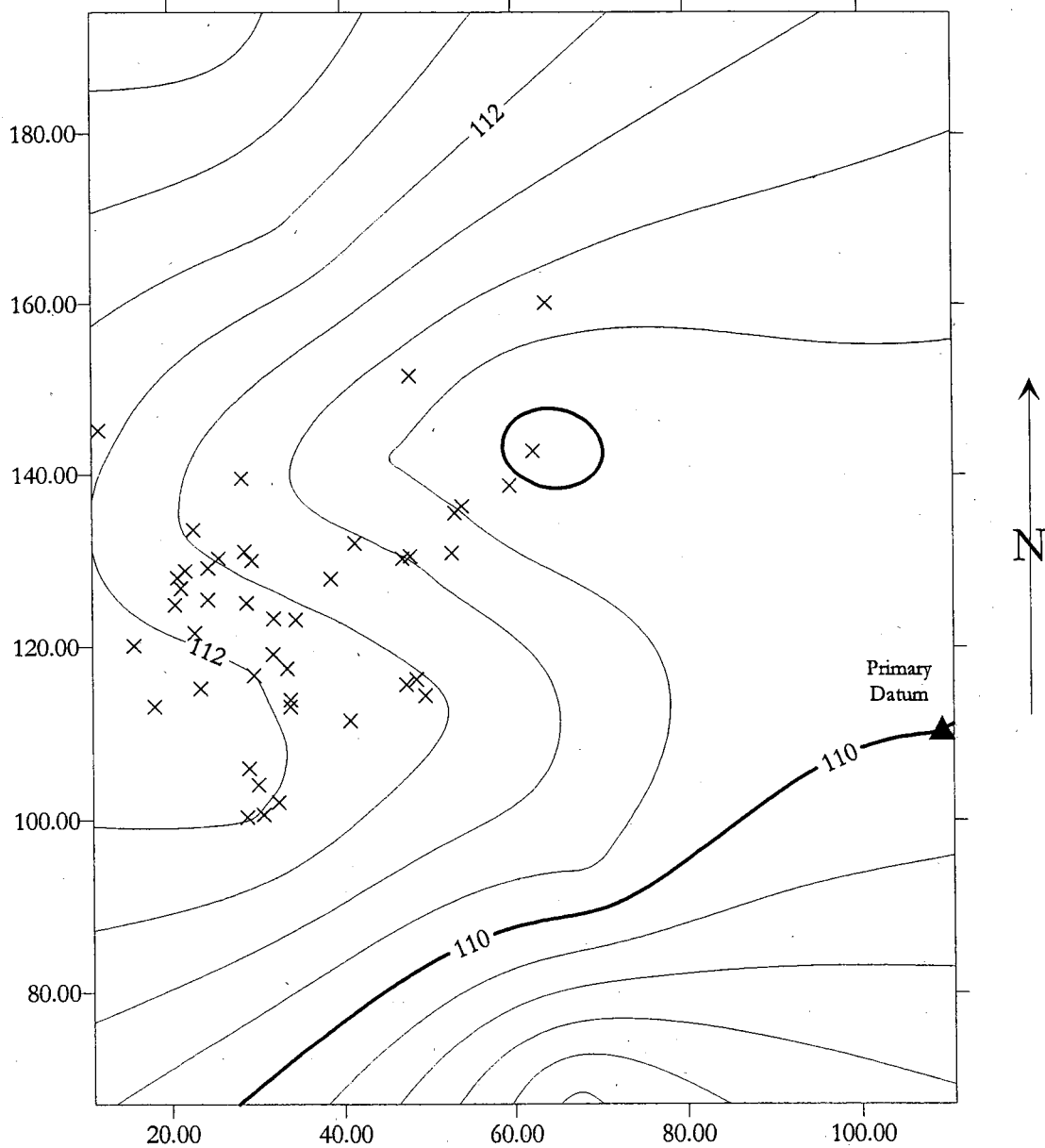


Legend

- ▲ Primary Datum
- × Artifact Location
- Feature

MAP 20: SITE 42DC 1166

31



Legend

- ▲ Primary Datum
- × Artifact Location

Site 42DC 1171 (see Maps 2 and 21)

Site 42DC 1171 consists of a limited scatter of lithic around and below a low sandstone ledge on a hill slope. Artifacts recorded at the site consist a few flakes of lithic debitage and two discrete concentrations of oxidized sandstone fragments. The site possesses marginal depth potential. No diagnostic artifacts were observed on the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1174 (see Maps 5 and 22)

Site consists of an open occupation and lithic scatter located on a low bench. Artifacts include an Elko Eared or Pinto dart point (see Figure 3B) and a number of unifaces, bifaces (see Figure 3A), preforms and other tools. Lithic debitage includes waste from all stages of tool manufacture and reduction. The dominant lithic material type is parachute creek chert, which is commonly found in this locality as float. Site 42DC 1174 is probably related with nearby Site 42DC 1175.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 5-22.

Site 42DC 1175 (see Maps 6 and 23)

Site consists of a prehistoric lithic scatter located in a sandy swale above the drainage and flood plain. The scatter is roughly elliptical in configuration and very large occupying an area about 200 meters in length. A Rocker Side-notched dart point (see Figure 3C) was collected from the site. This variety of dart point was utilized during the Middle Archaic stage of occupation on the Colorado Plateau and Wasatch Plateau. No features were observed or recorded on this site. Isolate 1598R/x1 (see Figure 5D), an early Paleoindian projectile point probably of the Midland variety, was collected outside this site's northern periphery. Site 42DC 1175 is probably related with nearby Site 42DC 1174.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 5-22.

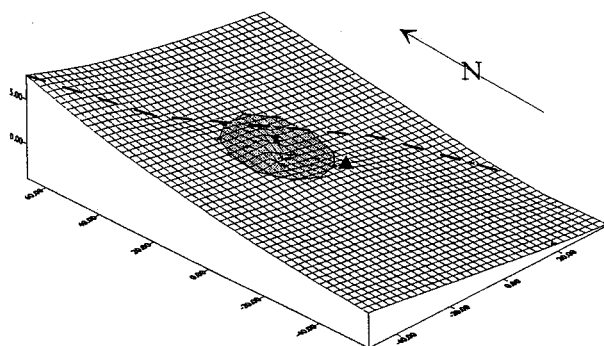
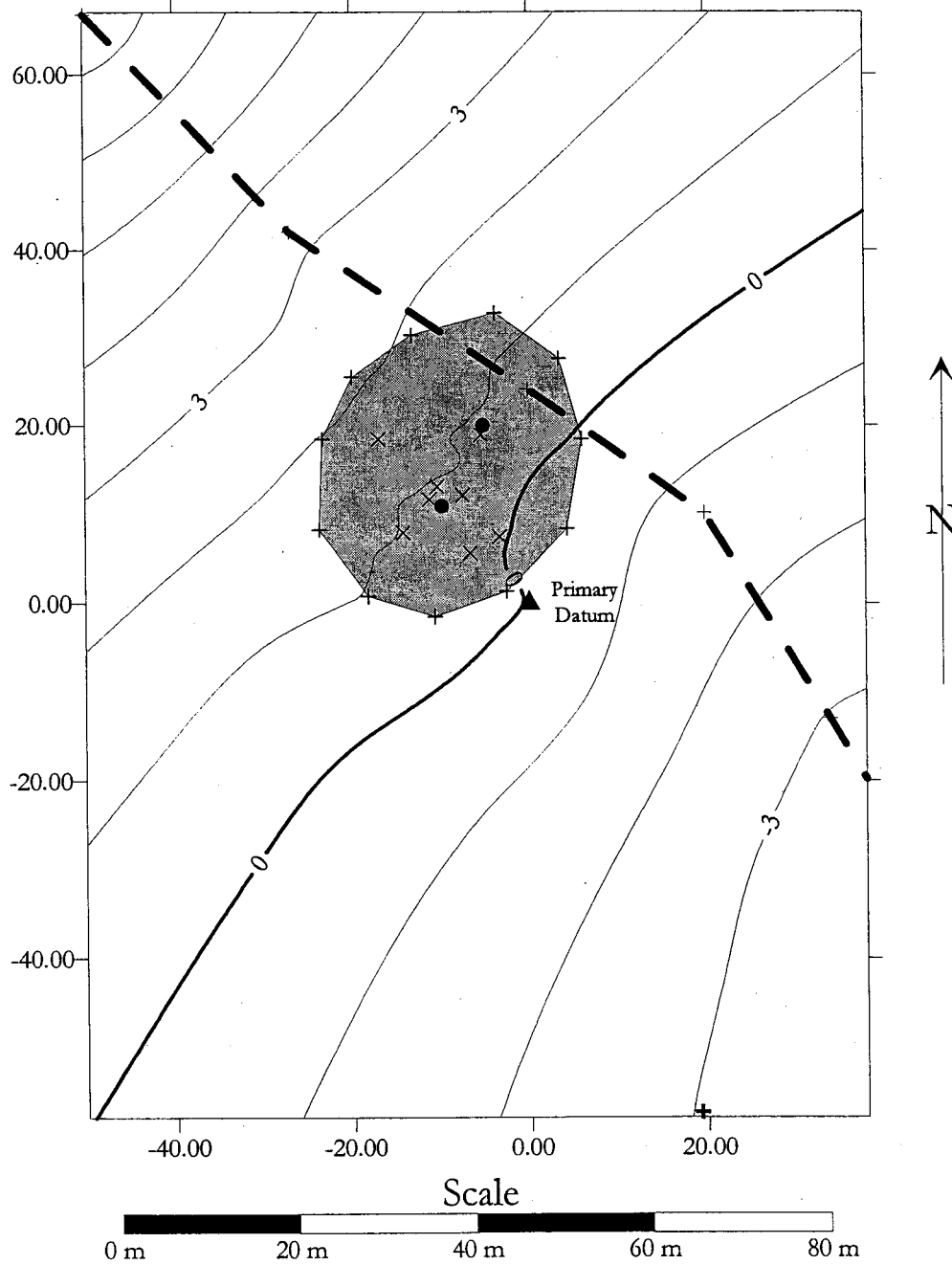
Site 42DC 1176 (see Map 6)

Site consists of a small lithic scatter situated on the south bench above a large ephemeral drainage. The scatter is composed of five flakes and four expediency tools all of which probably represent a single use locus. No features were noted.

Nat. Register Status: Not Significant

MAP 21: SITE 42DC 1171

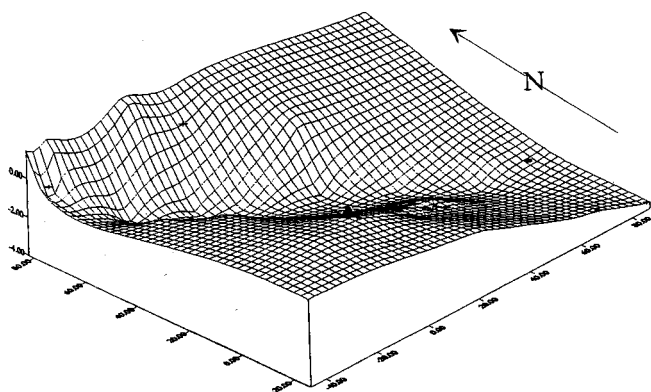
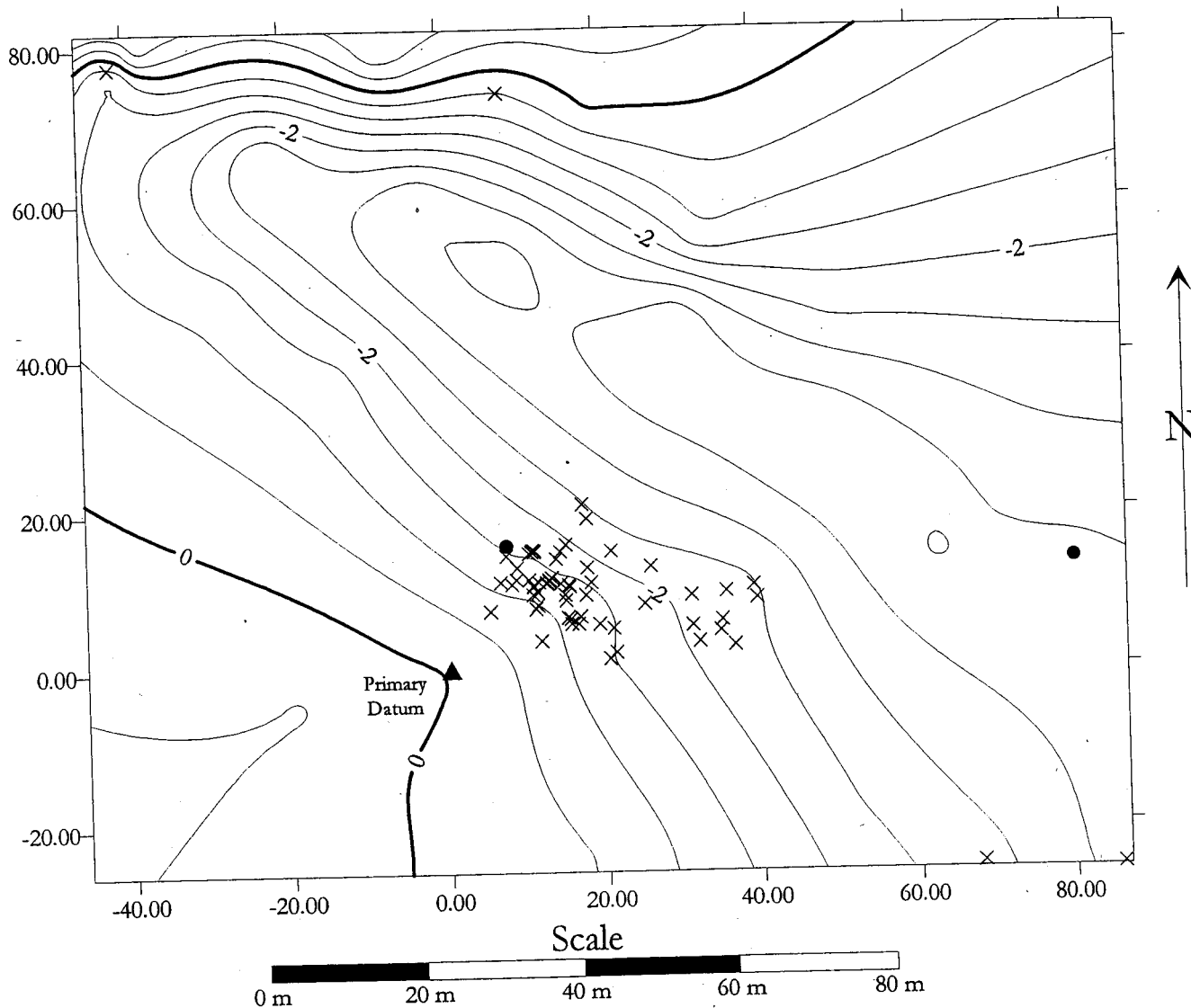
33



Legend

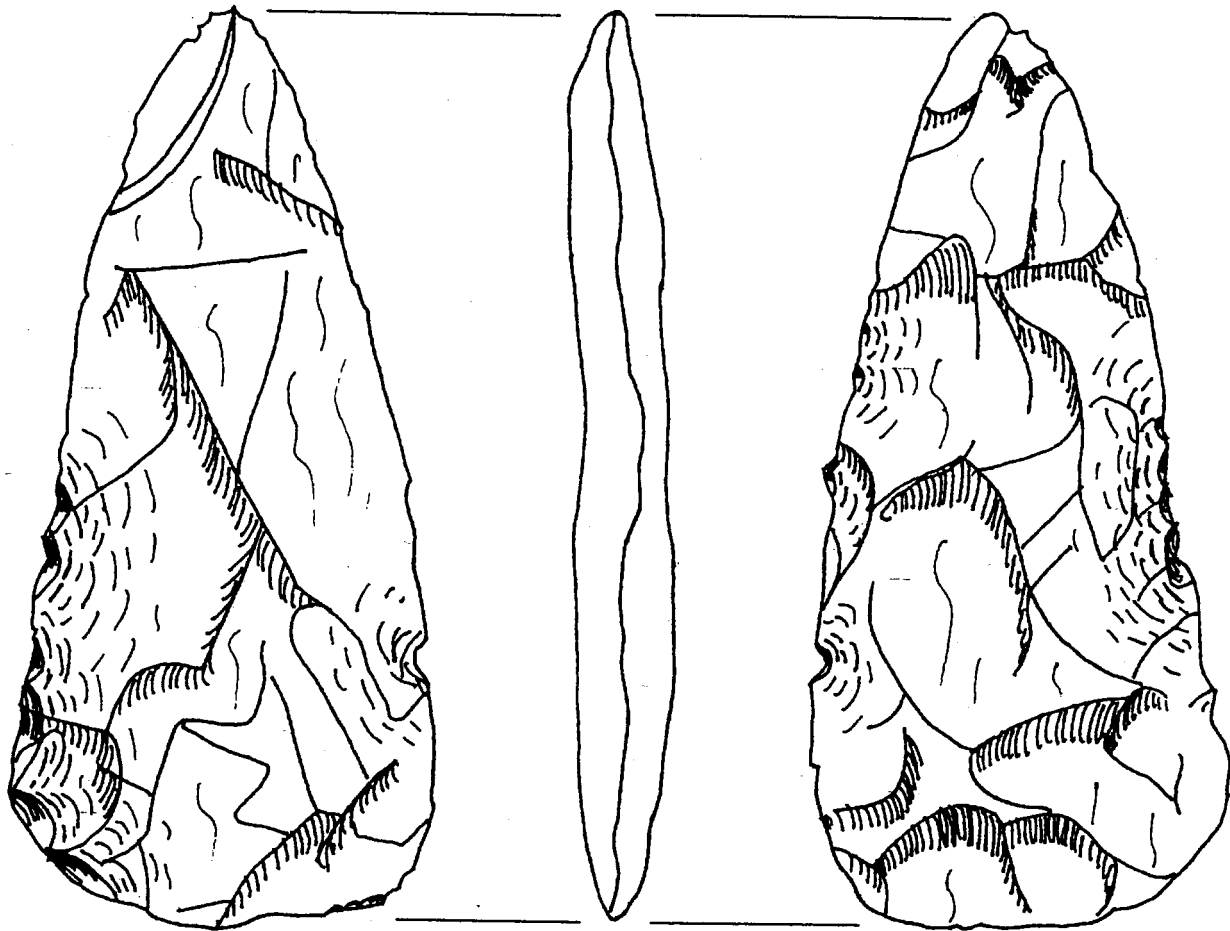
- ▲ Primary Datum
- × Artifact Location
- Hearth
- ⊕ Well-head Location
- - - Access Road
- Extent of Site

MAP 22: SITE 42DC 1174



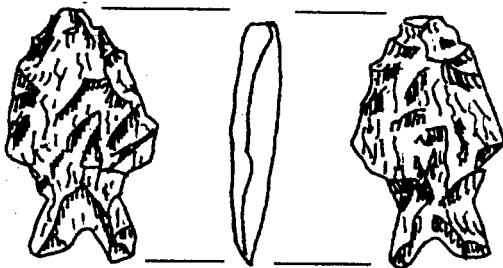
Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth



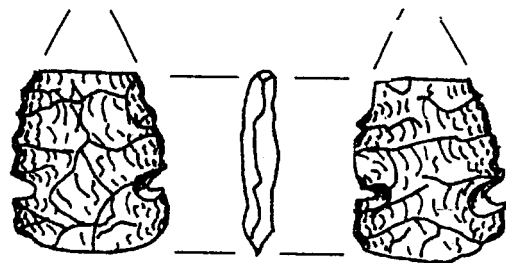
A

**42DC 1174
(FS-1033)**



B

**42DC 1174
(FS-1002)**

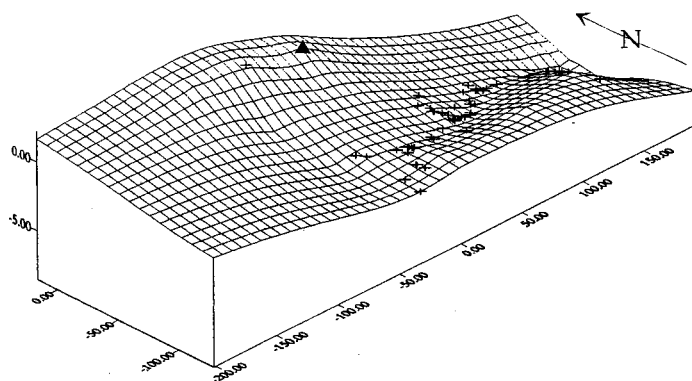
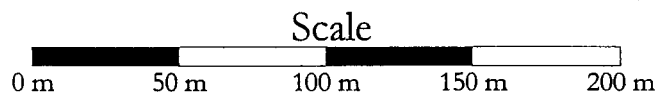
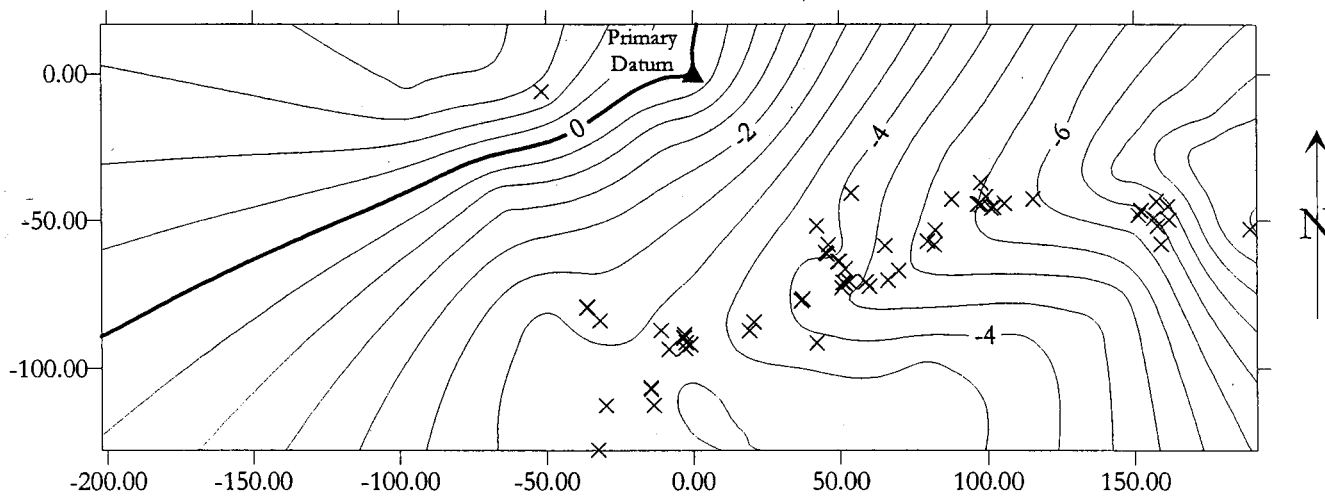


C

**42DC 1175
(FS-1038)**

FIGURE 3

MAP 23: SITE 42DC 1175



Legend

- ▲ Primary Datum
- × Artifact Location

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42DC 1177 (see Maps 4 and 24)

This site consists of a dispersed lithic scatter of Parachute Creek Chert flakes, all highly patinated, lying on an eroded, hardpan clay, surface between a major drainage on the north and the stabilized dune complex associated with the mesa above and to the south. Debitage is mainly primary and secondary flakes of the tap and test or expediency tool manufacture variety.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2532 (see Map 4)

The site consists of a diffuse scatter of lithicdebitage, cores and bifaces or choppers. The majority of artifacts are of the tap-and-test variety of cores and primary flakes. The entire site area, which covers about 50 to 60 acres, is littered with artifacts and lithic materials and may have served as a lithic resource locus for the area.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2533 (see Maps 4 and 25)

This site consists of a diffuse scatter of lithicdebitage, cores, one biface and numerous scatters of oxidized and fire cracked rock. Two discreet, deflated hearth scatters were noted. Mostdebitage was noted in blowouts in thin sand deposits over bedrock. Some artifacts appear to be in original context, but little depth was noted.

Nat. Register Status: Not Significant

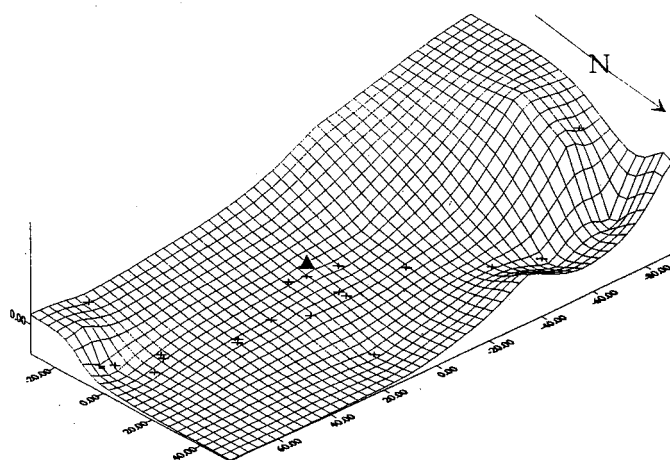
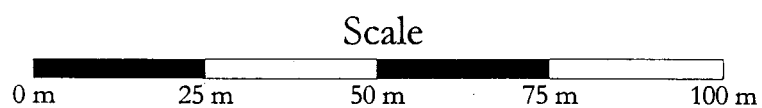
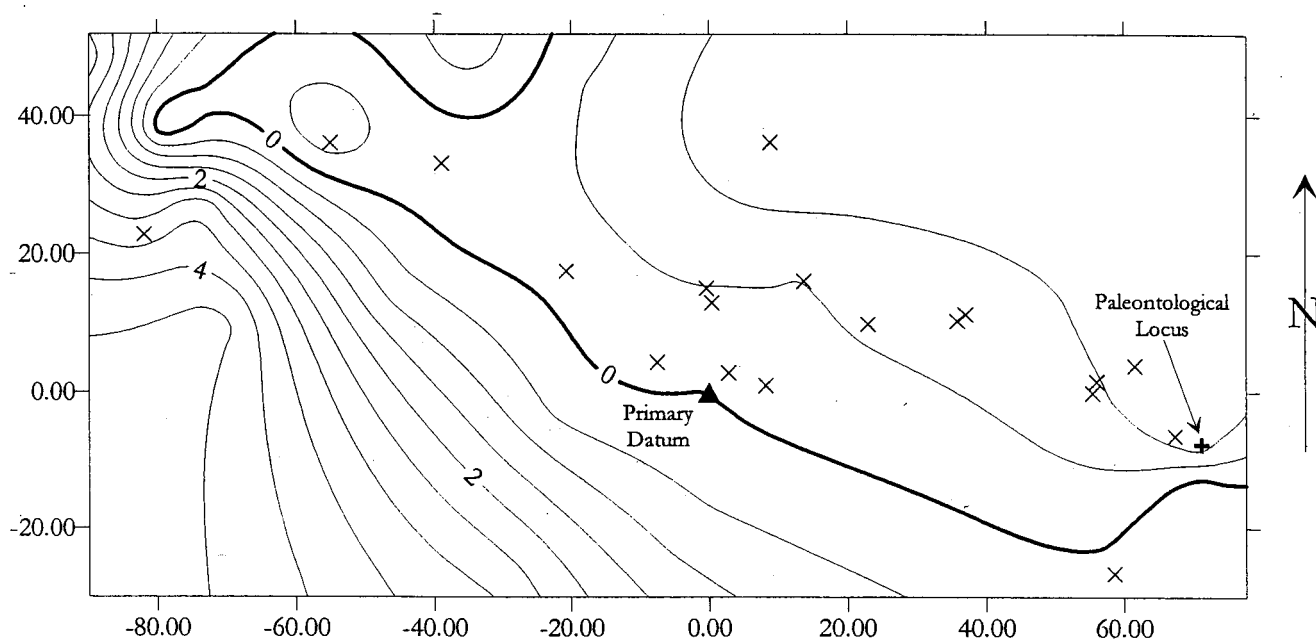
Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2534 (see Maps 4 and 26)

The site consists of a shallow rock shelter/alcove with a scatter of oxidized stone leading from the shelter across a sandstone ledge bench. A diffuse scatter of lithicdebitage, cores and bifaces or choppers also extends from the shelter area to the lip of the ledge. Erosion has removed all of the shelter deposits, and little of the bench contexts are intact. This site is part of an Archaic

MAP 24: SITE 42DC 1177

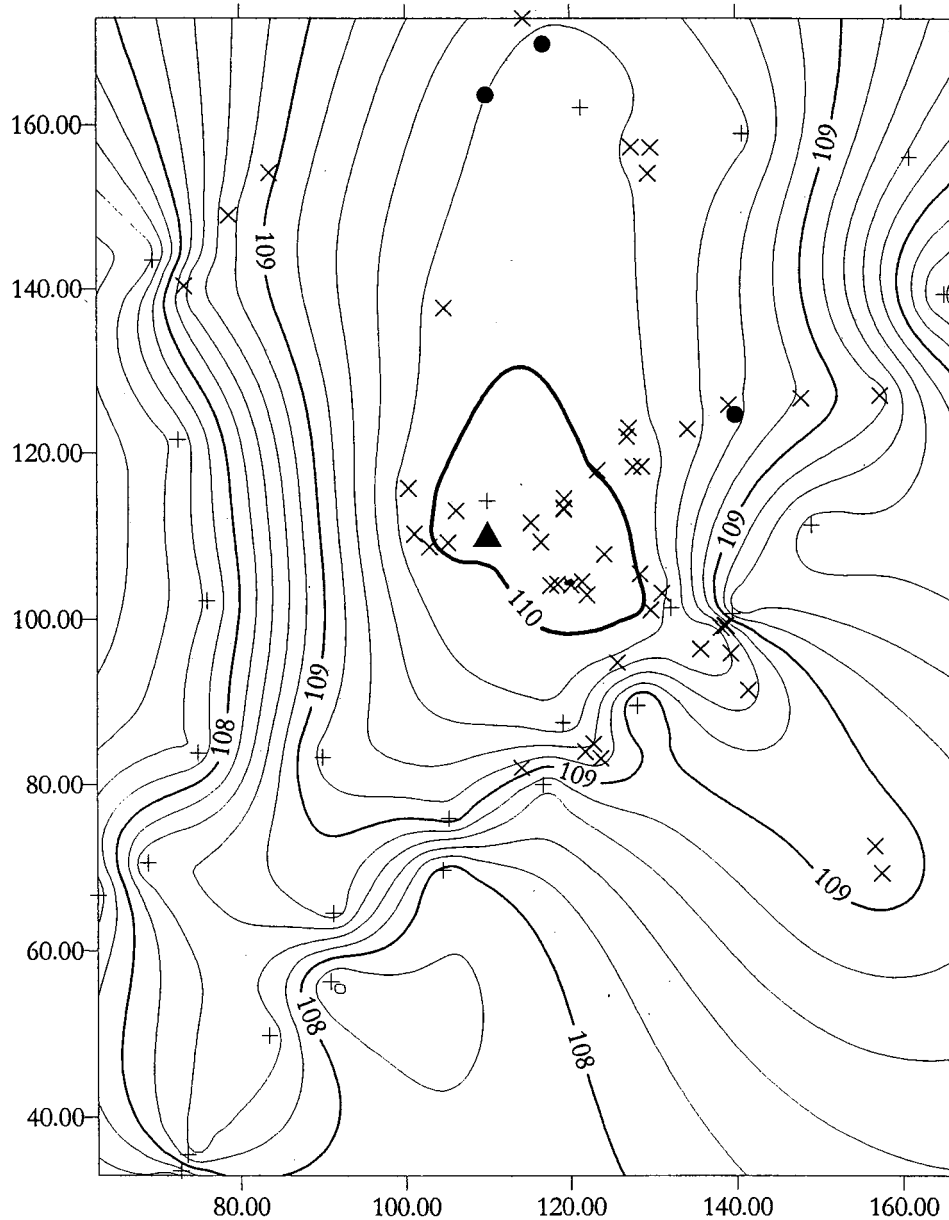


Legend

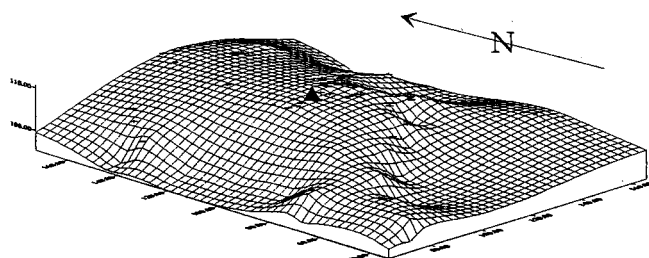
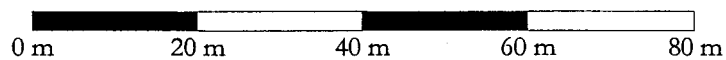
- ▲ Primary Datum
- × Artifact Location
- + Paleontological Locus

MAP 25: SITE 42UN 2533

39



Scale

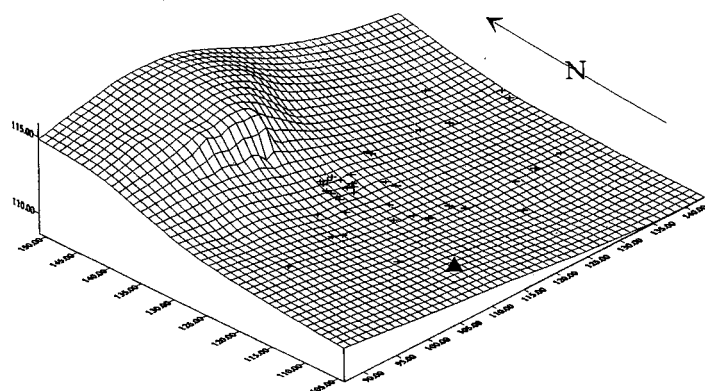
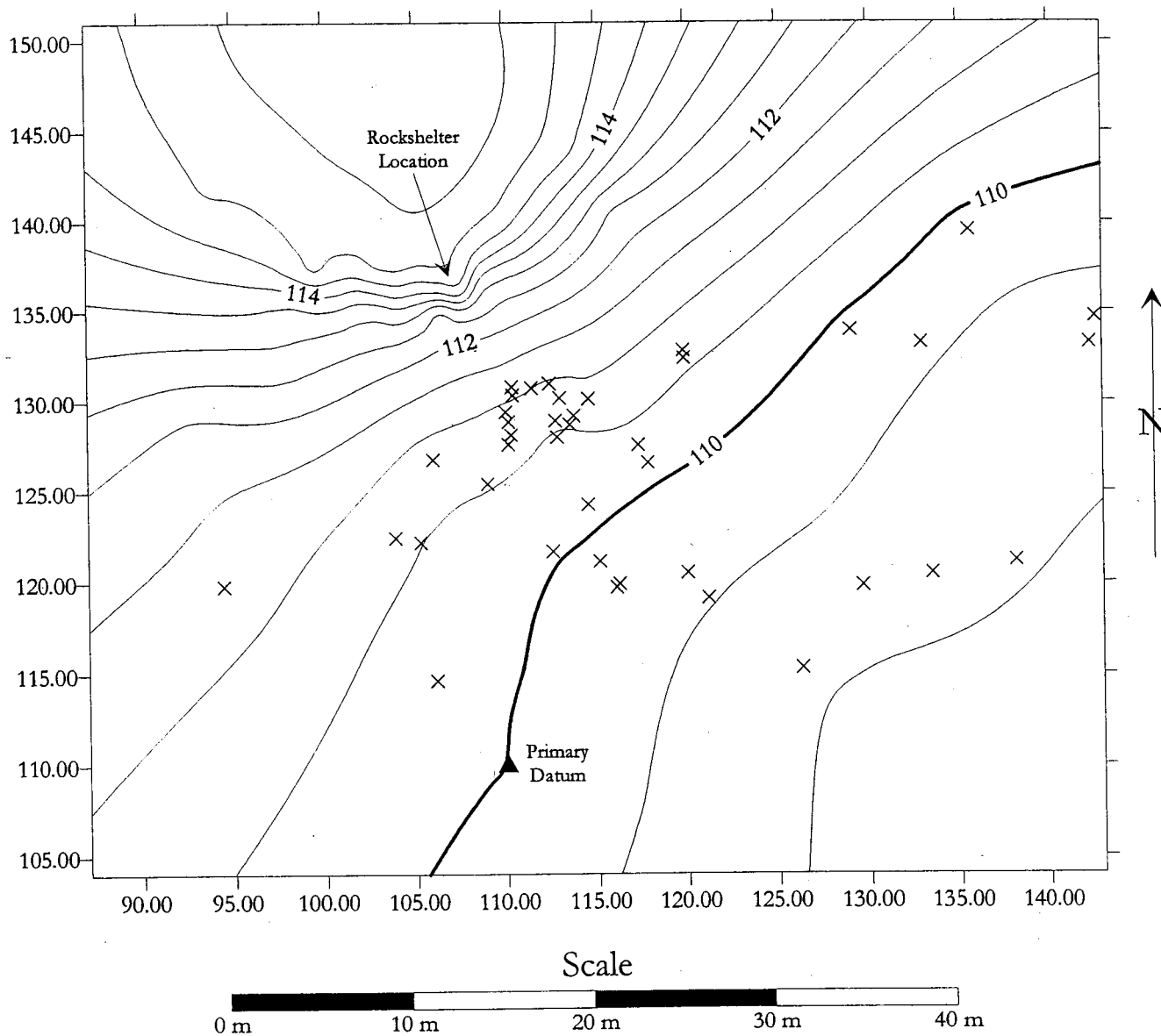


Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth

MAP 26: SITE 42UN 2534

40



Legend

- ▲ Primary Datum
- × Artifact Location

large game hunting/kill/butchering/roasting complex that includes 42UN 2535, 2536, and 2537.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2535 (see Maps 4 and 27)

The site consists of a lithic scatter containing chipped stone tools and debitage. There are spatially delimited concentrations of tools, secondary flakes and tertiary flakes, while decortication flakes, cores and choppers are diffuse throughout the site. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained grey chert. Most artifacts are heavily patinated, suggesting great age. Preliminary evaluations suggest that this is a special use site such as a kill/butcher locus since artifacts are so tightly clustered with most of the bifaces concentrated in a small (2 x 2 meter) areas. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2536, and 2537.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

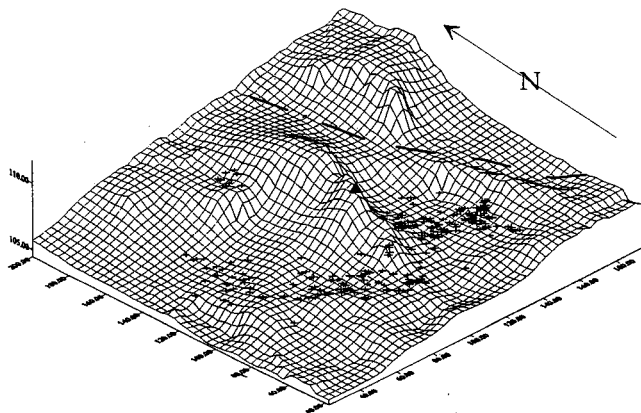
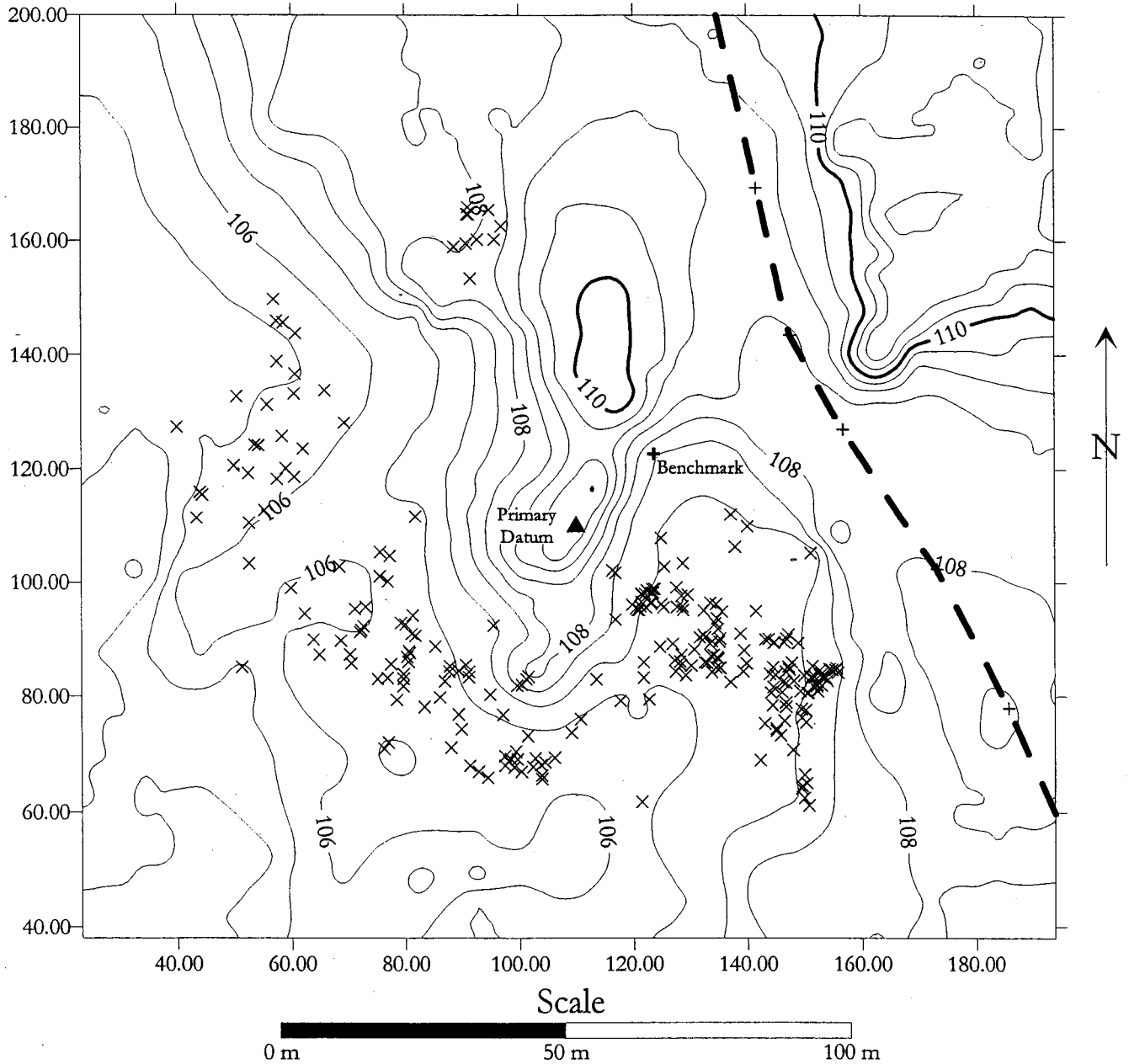
Recommendation: Avoidance during any surface development related to Unit 7-35.



FIGURE 4

MAP 27: SITE 42UN 2535

42



Legend

- ▲ Datum Location
- × Artifact Location
- ⊕ Benchmark
- - - Access Road

Site 42UN 2536 (see Maps 4 and 28)

The site consists of a lithic scatter containing chipped stone tools and debitage. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained brown chert. Several chopping tools are present, but no diagnostics were observed. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2537.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Site 42UN 2537 (see Maps 4 and 29)

This site is an open occupation and lithic scatter consisting of several concentrations of oxidized stone, one intact roasting hearth, and a diffuse scatter of lithic debitage, cores and bifaces or choppers. Occupational debris is revealed in a linear pattern in blowouts within and alongside a large dune field. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2536.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Units 1-35, 2-35, and 7-35.

Site 42UN 2538 (see Maps 4 and 30)

This site consists of a shallow two chambered rock shelter in a sandstone outcrop overlooking a broad drainage to the south. Erosional activity has scoured the shelter, but plenty of debitage, tools and oxidized, heat-cracked rock are visible on the slope and eroding from the sand dunes below.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 9-35.

Site 42UN 2552 (see Maps 4 and 31)

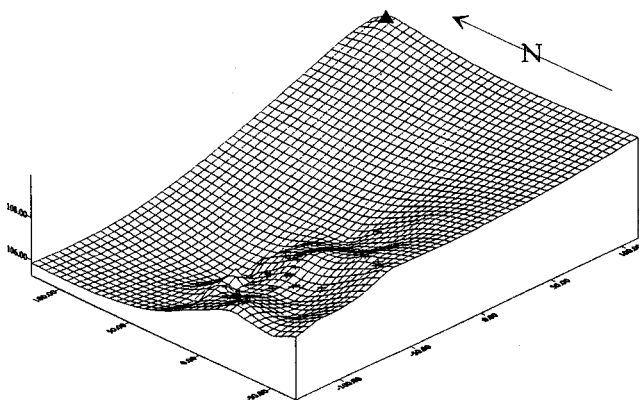
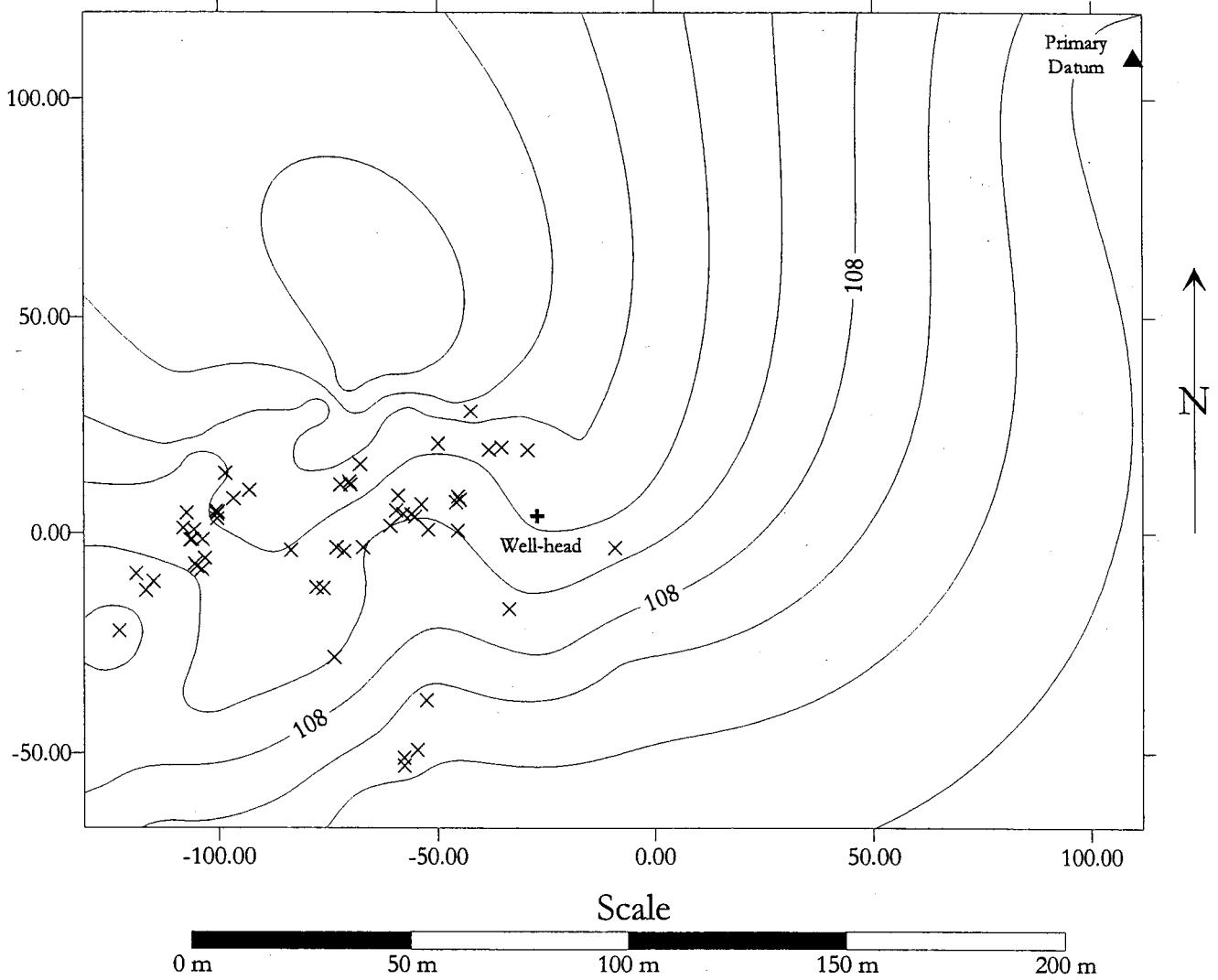
This site consists of a rock shelter in a sandstone ledge complex overlooking a broad drainage to the south. Erosional activity has resulted in the collapse of much of the roof over the shelter effectively sealing the context. Reduction debitage and tools are being exposed within the rock shelter and its associated deposition area.

Nat. Register Status: Significant

Justification: Site contains depth potential and context integrity. This site meets the

MAP 28: SITE 42UN 2536

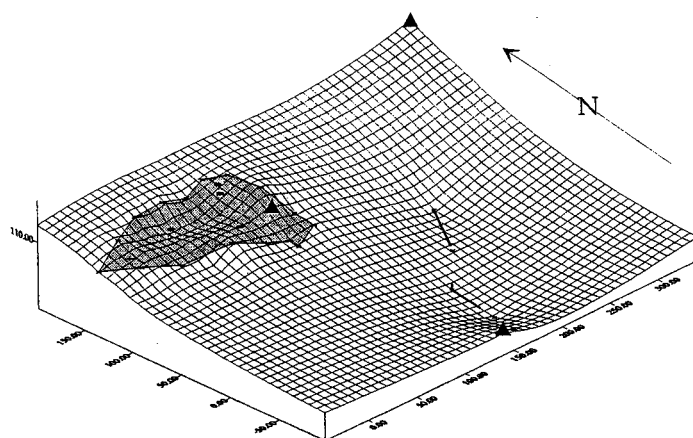
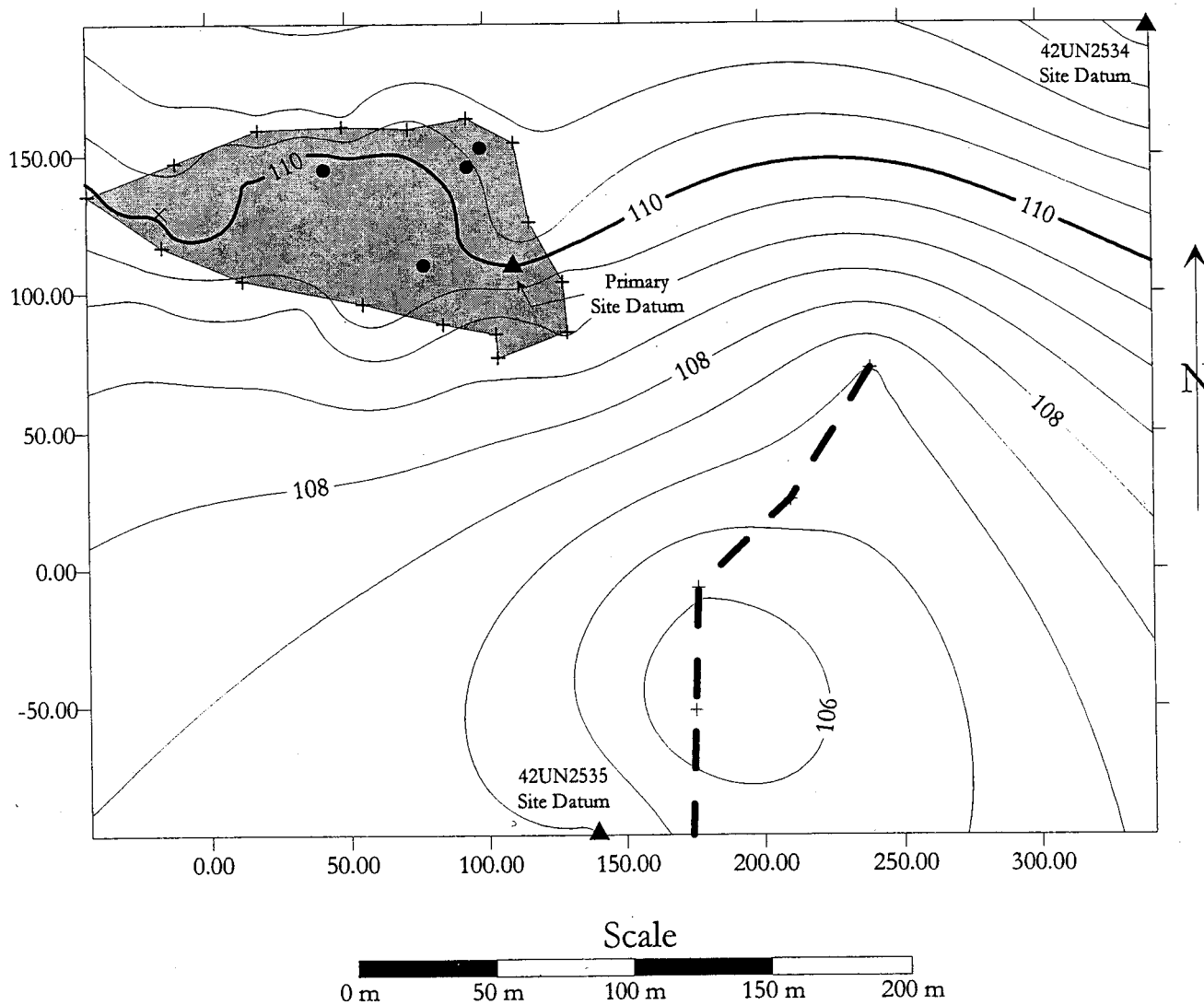
44



Legend

- ▲ Primary Datum
- × Artifact Location
- ⊕ Well-head Location

MAP 29: SITE 42UN 2537

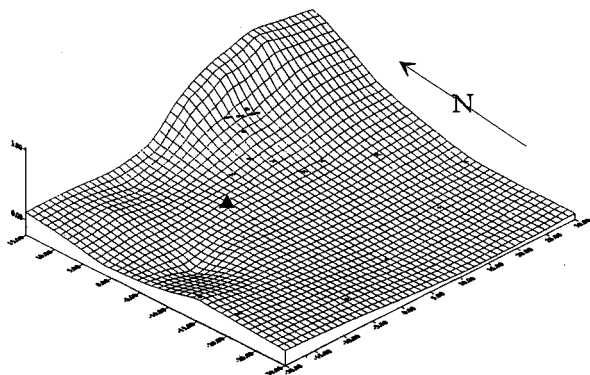
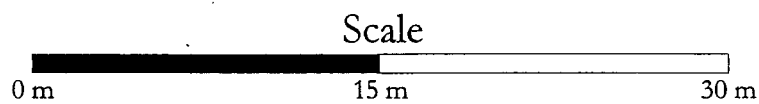
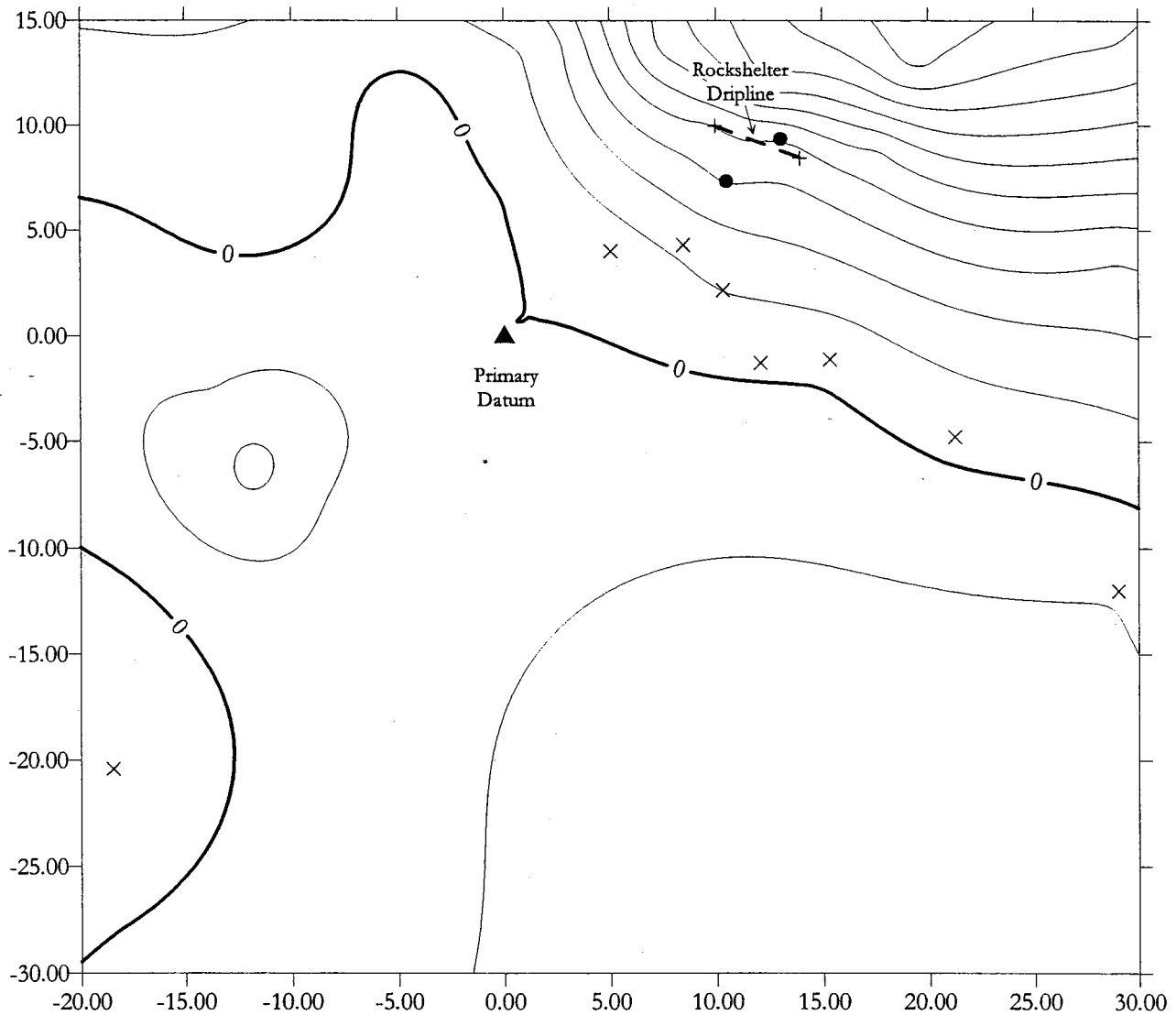


Legend

- ▲ Datum Location
- × Artifact Location
- Hearth Location
- Extent of Site
- Access Road

MAP 30: SITE 42UN 2538

46

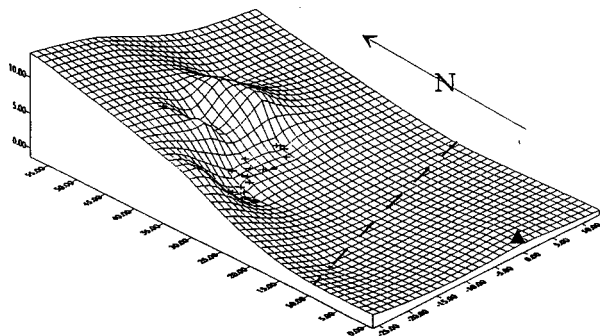
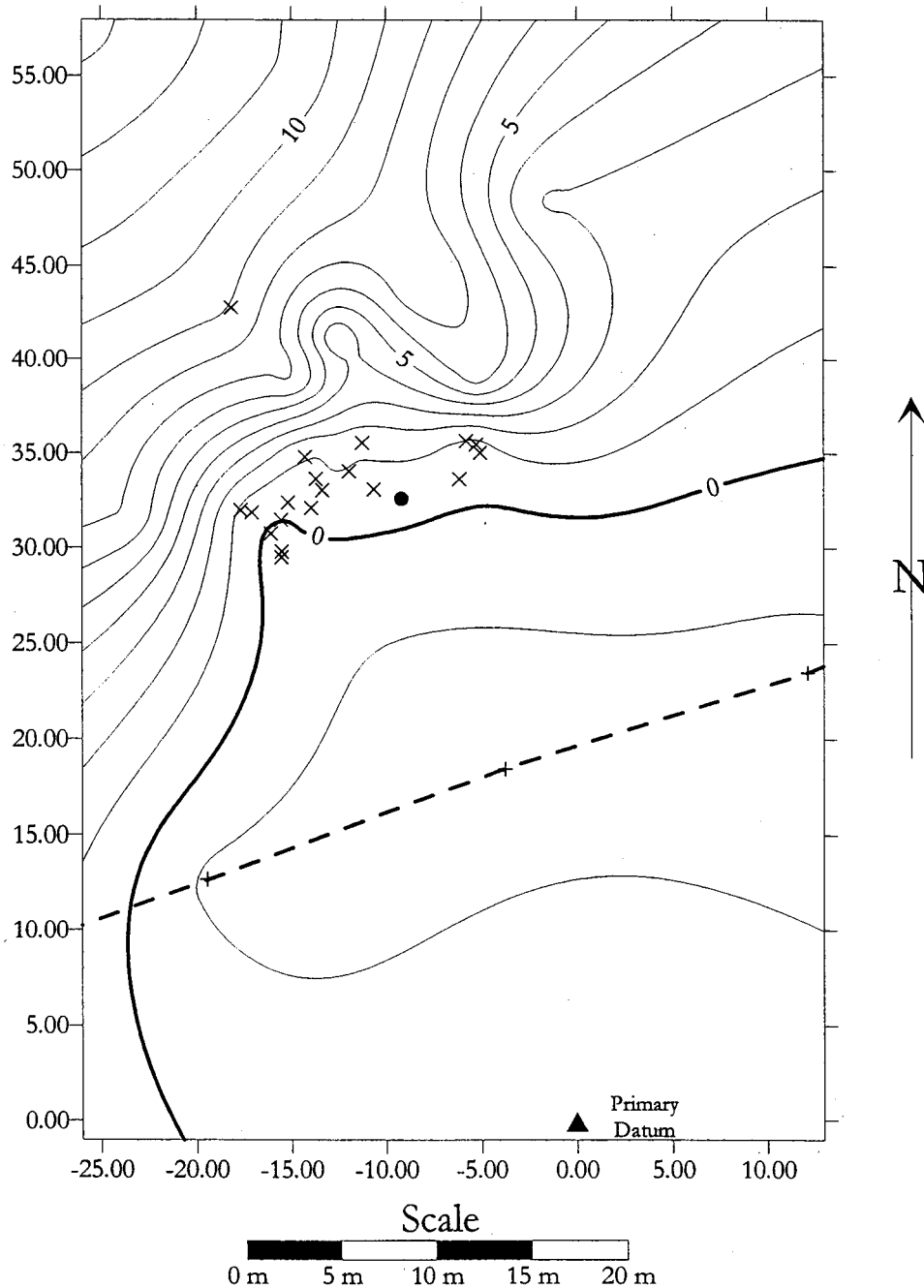


Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth Location

MAP 31: SITE 42UN 2552

47



Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- - - Drainage Channel

standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance during any surface development related to Unit 2-2.

Site 42UN 2566 (see Maps 4 and 32)

This site is situated on a bench overlooking a wide drainage to the north. The site consists of a small scatter of lithic debitage, comprised mostly of Parachute Creek Chert, and three tools, also composed of Parachute Creek Chert. A fragment of oxidized sandstone was also noted at the site.

Nat. Register Status: Not Significant

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

Recommendation: Avoidance.

Isolated Artifacts

A total of four isolated diagnostic artifacts was observed and recorded during the evaluations within these seven acreage tracts. A number of isolated tap and test flakes and discarded bifaces probably related to butchering episodes was also observed during the inventories; these artifacts were too numerous to warrant reporting.

Isolated artifact **1598B/x1** (see Figure 5A) was collected in the southeast quarter of Section 3, Township 9 South, Range 16 East (see Map 3). It consists of a fragmented Paleoindian projectile point possibly of the Plainview variety. The base is missing so that it is not possible to determine the most pertinent diagnostics for this artifact. It was constructed from tan chert of unknown geological origin.

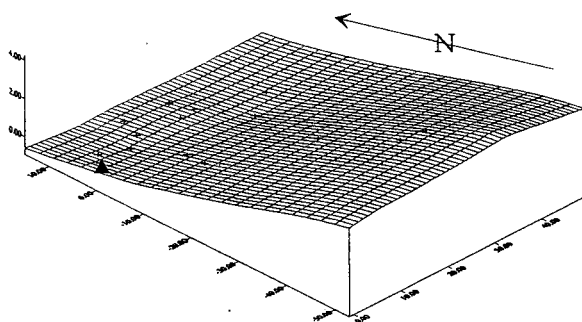
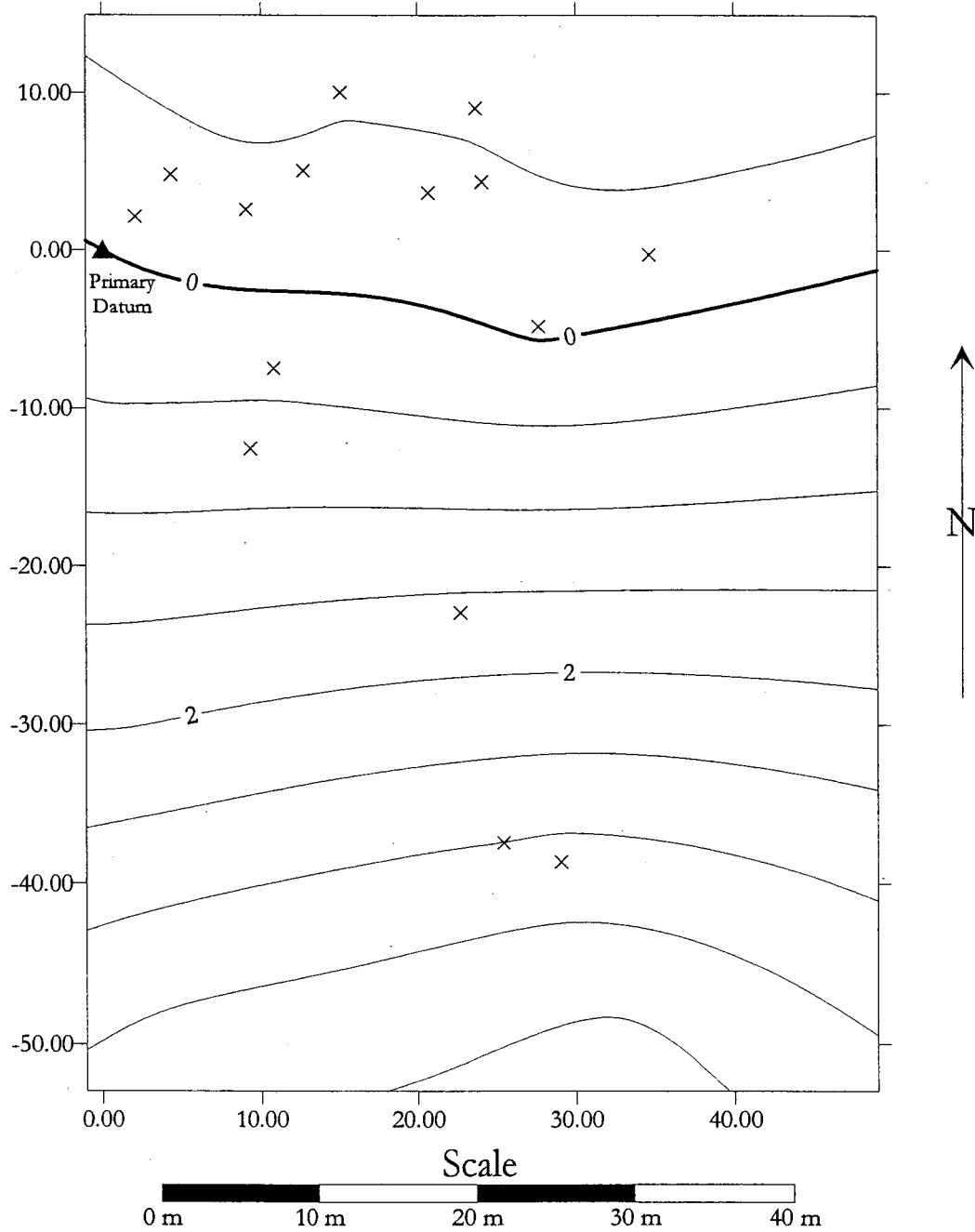
Isolated artifact **1598K/x2** (see Figure 5B) was collected in the southwest quarter of Section 2, Township 9 South, Range 16 East (see Map 3). It consists of a complete Archaic or late Paleoindian dart point manufactured from dark gray oolitic chert of unknown geological origin.

Isolated artifact **1598R/x1** (see Figure 5D) was collected in the northwest quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of the proximal fragment of a highly patinated bifacially prepared tool which may be a Paleoindian projectile point of the Midland type. It was manufactured from locally available Parachute Creek Chert.

Isolated artifact **1598R/x2** (see Figure 5C) was collected in the northeast quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of a nearly intact Pinto dart point of Early Archaic origin. This tool was prepared from either a variant of Parachute Creek Chert or is a type of chert derived from an unknown geological origin.

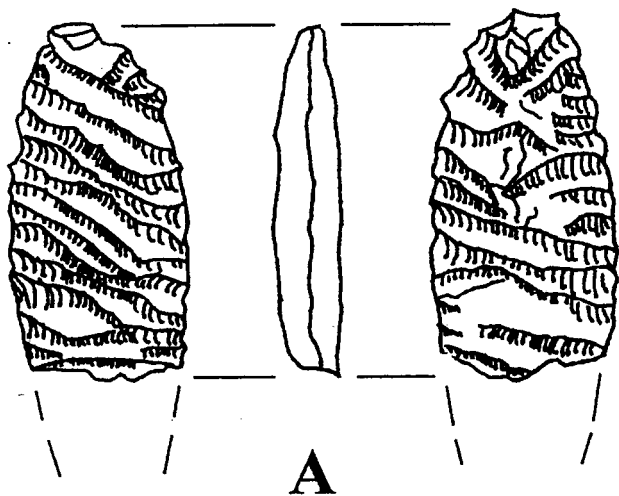
MAP 32: SITE 42UN 2566

49



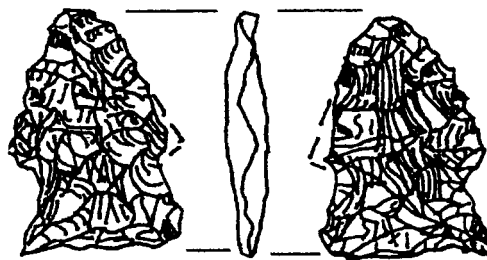
Legend

- ▲ Primary Datum
- × Artifact Location



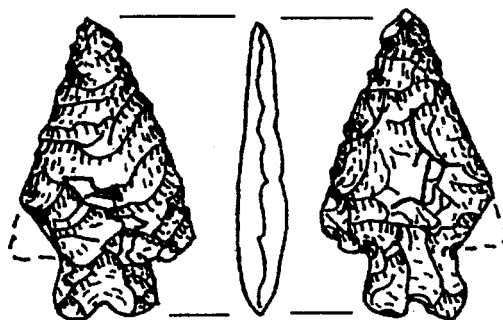
A

1598B/x1

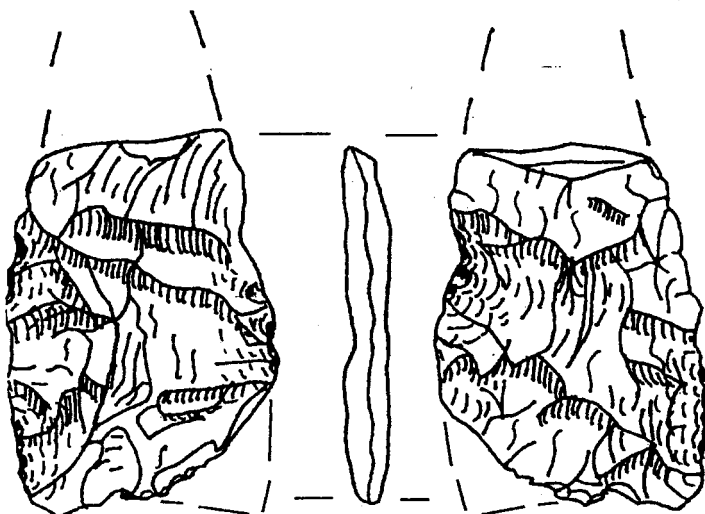


B

1598K/x2



1598R/x2



D

1598R/x1

FIGURE 5

Paleontological Assessments

Three paleontological loci were observed during the survey. These loci include an intact turtle, mandible fragments from an oreodont, and an intact crocodile mandible. A separate report on these loci has been prepared by Rod Sheetz, consulting paleontologist (see Sheetz 1998).

DISCUSSION

In any assessment of this type, it is useful to identify the site densities that are apparent in the data. In *ARCHAEOLOGICAL EVALUATIONS OF THE NORTHERN COLORADO PLATEAU* (AERC Paper No. 45), a basic ratio of sites per acre is used to quantify observed densities (cf., Hauck 1991:45). The site:acre ratios noted for Uinta Basin studies in that report begin at 1:050 as recorded during the Texas-Missouri Creek study conducted by Gordon and Kranzush (Gordon, et al. 1983). The high end of the spectrum is a ratio of 1:850 recorded during the U-a and U-b Oil shale lease study (Berry and Berry 1976). These various ratios were ranked as I, II, III, and IV. The rank density of I ranged between 1:32 and 1:78 ratios. Rank II ratios ranged between the ratios 1:97 and 1:132. Rank III ratios were between 1:201 and 1:273. Finally, the rank IV ratios were between 1:327 and 1:540.

With 28 sites reported in the 3,919 acres reported herein, a basic ratio of 1 site per 139.9 acres is identified, or 1:140, for the entire project area. This ratio is associated with the low end of rank II densities. It is comparable with the 1:152 ratio generated during AERC's 1989 inventory in the Red Wash locality to the east (Hauck, et al. 1990) but less dense than the 1:110 ratio defined during AERC's Mapco sample inventories in this general locality (Hauck and Norman 1980).

The site density within the Inland study varies from tract to tract. For instance, in the 689 acres evaluated in the Ashley Unit west of Wells Draw, one site is reported. This locality thus exhibits a low density ratio of 1:689 (falling in low end of rank IV) which is significantly less dense than the rank II ratio of 1:103 identified in the South Wells Draw Unit where 12 sites are reported in 1,240 acres. The two other Units provided ratios closer to the general project mean of 1:140: the Odekirk Springs Unit (12 sites in 1,529 acres) has a ratio of 1:127(rank II), while the South Pleasant Valley Unit (3 sites in 461 acres) exhibits a ratio of 1:154(lower end of rank II).

The site density ratios registered throughout the Inland project area are not the only interesting factor revealed during this study. The number of Paleoindian projectile points recovered from sites and as isolated finds is also very significant. Points having a definite Paleoindian origin are shown as Figures 1A, 1C, 1D, 2B, 5A and 5D. Possible Plano-Early Archaic transitional points include those shown in Figures 1B, 4, and 5B. The remaining diagnostics are mostly derived from Early Archaic contexts and include Figures 2A, 3B, and 5C. Figure 3C is thought to be an Elko Rocker side-notch of Middle Archaic derivation.

If our assessment of these diagnostic artifacts is correct, 46% of the diagnostic points recovered are Paleoindian, and 69% are both definite and possible Paleoindian. Only 30% of the diagnostics are definitely of Archaic derivation--and these are all of Early to Middle Archaic origin. The lack of Late Archaic, Formative (with the exception of the Late Formative pot-drop site, 42DC 1155), and Late Prehistoric (Shoshonean/Ute) in the project area is also very significant. Our assessment is that water and associated flora and fauna were readily available from the late Pleistocene into the early Holocene within this Castle Peak Draw to Pariette Bench locality. Those resources began to diminish by 7,000 years B.P. (before present) during the Early Archaic and were definitely lost by the end of the Middle Archaic or ca. 4,600 years B.P. accounting for the rapid reduction of hunting occupations and sites in this locality after that date. Further research needs to be initiated to address the viability of this hypothesis.

CONCLUSION AND RECOMMENDATIONS

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. relative to the development within these various land parcels based upon adherence to the following stipulations:

1. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 should be avoided during any development within the Inland tracts. These sites are significant resources and should be protected from disturbance and vandalism.
2. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. all personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

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- Hauck, F.R. and G. Norman
- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study, AERC Paper No. 18 of the Archeological-Environmental Research Corporation, Bountiful.
- Hauck, F.R. and Dennis Weder
- 1989 Pariette Overlook -- A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. AERC Paper No. 42 of the Archeological-Environmental Research Corporation, Bountiful.
- Sheetz, Rod
- 1998 Locality-Specific Paleontological Assessment. Report prepared for Inland Production Company, Museum of Western Colorado, Grand Junction.
- Stokes, W.L.
- 1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.
- Stokes, W.L. and James H. Madsen
- 1961 Geologic Map of Utah. College of Mines and Mineral Industries, University of Utah, Salt Lake City.

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Summary Report of
Inspection for Cultural Resources

Project
Authorization No UT-98-AF-0164bs

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐
Comments: _____

Cultural Resource Evaluation of Various Large Tracts in the
Wells Draw to Pariette Bench Locality of Duchesne & Uintah
Counties, Utah

1. Report Title

Inland Resources, Inc.

2. Development Company _____

7 25 1998

UT-98-54937

3. Report Date 4. Antiquities Permit No. _____

A E R C

IPC - 98 - 4

Uintah &

5. Responsible Institution County Duchesne

6. Fieldwork

Location: TWN 0 9 S . RNG 15 E Sections 12
TWN 0 9 S . RNG 16 E Sections 2, 3, 4, 7, 9, 10
TWN 0 8 S . RNG 17 E Sections 35, 36
TWN 0 9 S . RNG 17 E Sections 2, 15, 18, 22

7. Resource Area Diamond Mountain

8. Description of Examination Procedures: The archeologists directed by R. Hauck, or Glade Hadden, conducted intensive cultural resource evaluations of 7 project tracts situated in the Wells Draw to Pariette Bench locality. The survey was conducted by walking 15 to 20 meter-wide transects in the parcels.

9. Linear Miles Surveyed

and/or 3,919

Definable Acres Surveyed

and/or

Legally Undefinable

Acres Surveyed

10. Inventory Type

R = Reconnaissance

I = Intensive

S = Statistical Sample

11. Description of Findings:

A total of 28 archaeological sites was recorded during this inventory. These sites include 42DC1149, 42DC1150, 42DC 1155-1166, 1171, 1174-1177, and 42Un 2532-2538, 2552 and 2566. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552 are considered significant resources.

12. Number Sites Found .2.8

(No sites = 0)

13. Collection: .Y.

(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 11-6-97 Vernal BLM 3-18-98

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. for the proposed developments based on the following stipulations:

1. All significant sites (42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552) should be avoided during any surface disturbance or development in their vicinities.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. All personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor

Administrator:



Field
Supervisor:

UT 8100-3 (2/85)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/23/2001

API NO. ASSIGNED: 43-013-32313

WELL NAME: MON BUTTE 1A-2-9-16

OPERATOR: INLAND PRODUCTION (N5160)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NENE 02 090S 160E

SURFACE: 0714 FNL 0728 FEL

BOTTOM: 0714 FNL 0728 FEL

DUCHESNE

MONUMENT BUTTE (105)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-21839 *fc*

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>DKD</i>	<i>11/30/01</i>
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 4471291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

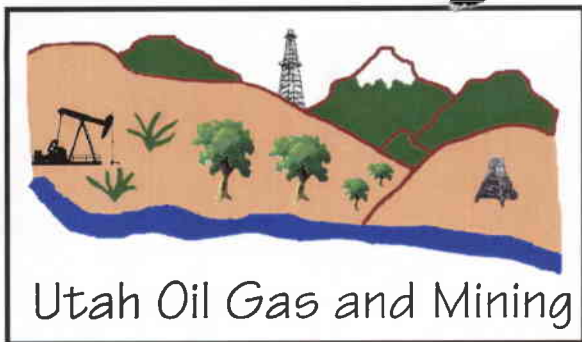
☒ R649-2-3. Unit MONUMENT BUTTE GR "D"
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 213-1
Eff Date: 8-14-87
Siting: 460 Siting
☒ R649-3-11. Directional Drill

COMMENTS:

Had presite. (10-31-01)

STIPULATIONS:

1- Statement of Basis



OPERATOR: INLAND PROD CO (N5160)

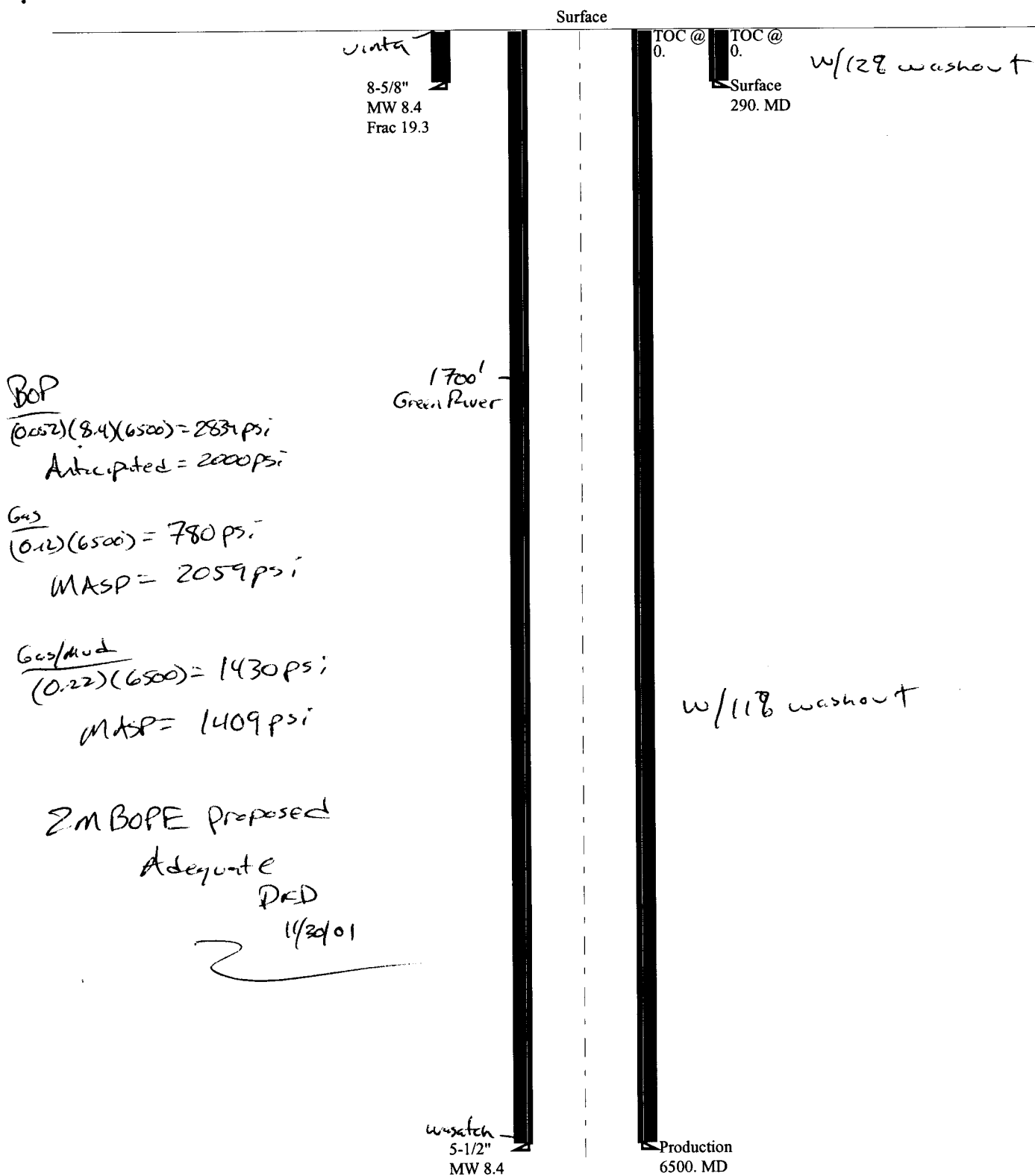
SEC. 2, T9S, R16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE UNIT: MON BUTTE GR D
CAUSE: 213-1



-01 Inland Monument Butte A-2-9-16
Casing Schematic



Well name:

11-01 Inland Monument Butte 1A-2-9-16Operator: **Inland Production Company**String type: **Surface**

Project ID:

43-013-32313

Location: **Duchesne Co.****Design parameters:****Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top:

Surface**Burst**Max anticipated surface pressure: 0 psi
Internal gradient: 0.436 psi/ft
Calculated BHP 127 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 253 ft**Re subsequent strings:**Next setting depth: 6,500 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,836 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 290 ft
Injection pressure 290 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	290	8.625	24.00	J-55	ST&C	290	290	7.972	14

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	127	1370	10.83	127	2950	23.31	6	244	40.12 J

Prepared **R.A.McKee**
by: **Utah Dept. of Natural Resources**Date: November 29,2001
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

11-01 Inland Monument Butte 1A-2-9-16Operator: **Inland Production Company**String type: **Production**

Project ID:

43-013-32313

Location: **Duchesne Co.****Design parameters:****Collapse**Mud weight: 8.400 ppg
Design is based on evacuated pipe.**Minimum design factors:****Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 156 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 300 ft

Cement top:

Surface**Burst**Max anticipated surface
pressure:

0 psi

Internal gradient:

0.436 psi/ft

Calculated BHP

2,836 psi

No backup mud specified.

Tension:8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.

Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	203.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.42	2836	4810	1.70	101	217	2.15 J

Prepared **R.A.McKee**
by: **Utah Dept. of Natural Resources**Date: November 29, 2001
Salt Lake City, Utah**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: Inland Production Company
Well Name & Number: Monument Butte 1A-2-9-16
API Number: 43-013-32313
Location: 1/4,1/4 NE/NE sec. 2 T. 09S R. 16E

Geology/Ground Water:

Inland has proposed setting 290' of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at around 600'. A search of Division of Water Rights records indicates that no water wells are located within a 10,000 foot radius of the center of Section 2. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of interbedded sandstones and shales. The Sandstones are of a discontinuous nature and probably don't represent a significant aquifer. The existing casing should adequately protect any useable ground water.

Reviewer: Brad Hill
Date: 11/14/2001

Surface:

An onsite of the surface area was done by the division to take comment and address issues related to the surface use area. SITLA was shown as the landowner of record and invited to the onsite meeting on 10/31/01 by telephone; the division also invited the Division of Wildlife Resources to the meeting. The operator has proposed a diversion dam be constructed by them up canyon of the location to re-route any potential run-off and divert flow to south of location by moving drainage. Presently, dry wash bed enters location from corner #3 and leaves at corner #1. They shall construct dam and divert channel to south and berm location as proposed. Down canyon more vegetative cover along wash bed indicates shallow surface water potential.

Reviewer: Dennis L. Ingram
Date: 11/13/01

Conditions of Approval/Application for Permit to Drill:

1. A diversion dam shall be constructed and re-route dry wash bed to south of location
2. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Inland Production Company
WELL NAME & NUMBER: Monument Butte 1A-2-9-16
API NUMBER: 43-013-32313
LEASE: U-16535 **FIELD/UNIT:** Monument Butte
LOCATION: 1/4, 1/4 NE/NE Sec: 2 TWP: 09S RNG: 16E
LEGAL WELL SITING: Statewide 400 foot window in center of 40
acre tract and no closer than 920 feet from
another well.
GPS COORD (UTM): 12 578465E; 4435386N
SURFACE OWNER: SITLA (State Lands)

PARTICIPANTS:

Brad Mecham (Inland Production Company); Dennis L. Ingram
(DOGM)

REGIONAL/LOCAL SETTING & TOPOGRAPHY:

Proposed approximately 9.7 miles southeast of Myton, Utah and
1.2 miles north of Castle Peak Draw on southern slope of
east/west bench in dry drainage system that dips eastward into
Pleasant Valley.

SURFACE USE PLAN:

CURRENT SURFACE USE: Livestock grazing, recreational
hunting, and wildlife use.

PROPOSED SURFACE DISTURBANCE: Have proposed +0.2 miles of
access road in from the east plus location measuring 305'x
142' plus reserve pit and surface area use for storage of
surface soil and waste material

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See GIS
data base

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All
equipment was proposed as located onsite, such as tanks,
treater, etc., with gas sales lines and residue line
connected to existing lines in area.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using
borrowed material

ANCILLARY FACILITIES: None planned or requested at onsite meeting

WASTE MANAGEMENT PLAN:

Was attached and submitted to the division with APD in the Thirteen Point Surface Program, item #7

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: Dry drainage

FLORA/FAUNA: Shadscale community typical of desert region with good ground cover including rabbit brush, grasses, greasewood, prickly-pear cactus). Primary antelope range with mule deer and mountain plover potential, having coyotes, rabbits, bobcats, mountain lion, owl, and raptures and smaller birds and insect life.

SOIL TYPE AND CHARACTERISTICS: Fine-grained light tan sandy loam typical of dry sandy wash habitat.

EROSION/SEDIMENTATION/STABILITY: active erosion, some sedimentation, no stability problems anticipated.

PALEONTOLOGICAL POTENTIAL: None observed during onsite visit

RESERVE PIT:

CHARACTERISTICS: Proposed in cut on north side of location adjacent to but not downwind of wellhead measuring 30'x 100'x 10' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 35 points

SURFACE RESTORATION/RECLAMATION PLAN:

According to SITLA at time of reclamation and/or landowner agreement.

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Has been done and submitted to appropriate parties.

OTHER OBSERVATIONS/COMMENTS:

Location moved west and south to fit with existing road and

sets between or immediately west of Y or road junction. Dry
drainage cuts through location from pit corner #3 and exits at
corner #1. Tamarisk growing down canyon from location.

ATTACHMENTS:

Photos of surface in undisturbed status

Dennis L. Ingram
DOGM REPRESENTATIVE

11/06/01 2:50 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>10</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score		<u>35 points.</u>



UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, NOV 14, 2001, 12:41 PM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 2 TOWNSHIP 9S RANGE 16E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET

N O R T H

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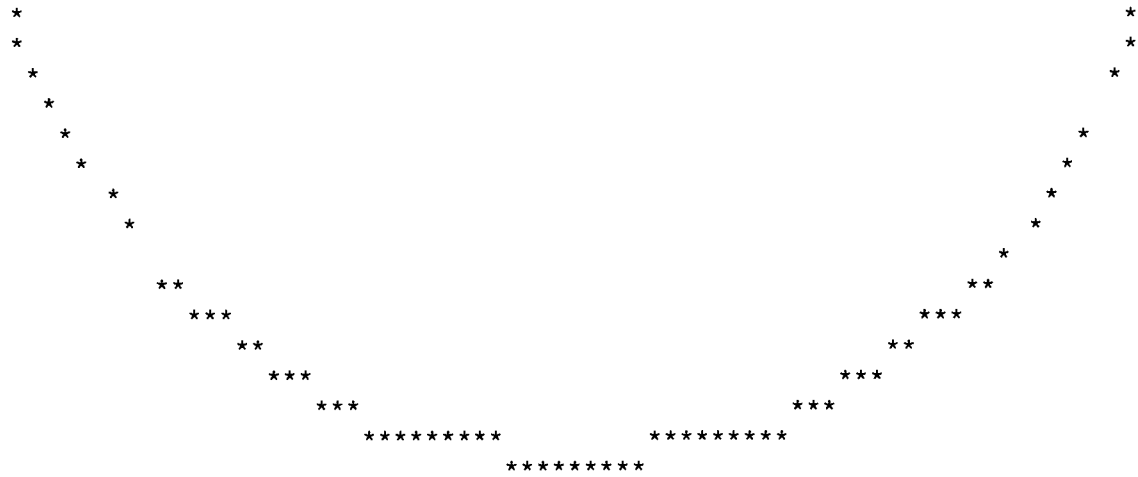
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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

December 3, 2001

Inland Production Company
Route 3 Box 3630
Myton, UT 84052

Re: Monument Butte 1A-2-9-16 Well, 714' FNL, 728' FEL, NE NE, Sec. 2, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32313.

Sincerely,

for

John R. Baza
Associate Director

er

Enclosures

cc: Duchesne County Assessor
SITLA

Operator: Inland Production Company
Well Name & Number Monument Butte 1A-2-9-16
API Number: 43-013-32313
Lease: ML 21839

Location: NE NE Sec. 2 T. 9 South R. 16 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML - 21839	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Monument Butte	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME Monument Butte State	
3. ADDRESS OF OPERATOR Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721		9. 1a-2-9-16 #	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 728' FEL & 714' FNL NE/NE		10. FIELD AND POOL OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 2, T9s, R16E	
14. API NUMBER 43-013-32313	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5439.7' GR	12. COUNTY OR PARISH Duchesne	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Spud</u>	<input checked="" type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU Stubb's rig # 111. Spud well @ 9:00am on 8/19/02. Drill 121/4" hole to a depth of 305'. PU & MU 7 jt's 85/8" J-55 24# csqn set depth of 300.78'/KB. On 8/19/02 Cement with 145 sks of Class "G" w/ 2% CaCL2 + 1/4# sk Cello-Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. 5 bbls cement returned to surface.

18 I hereby certify that the foregoing is true and correct

SIGNED <u><i>Rat Wiser</i></u>	TITLE <u>Drilling Foreman</u>	DATE <u>08/25/2002</u>
--------------------------------	-------------------------------	------------------------

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

AUG 23 2002

DIVISION OF
OIL, GAS AND MINING

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 300.78

LAST CASING 8 5/8" SET AT 300.78'
 DATUM 10' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 305' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Inland Production Company
 WELL Monument Butte state 1a-2-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # Stubbs # 111

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		40.12' SH JT					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	290.93
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			292.78
TOTAL LENGTH OF STRING		292.78	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			10
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			300.78
TOTAL		290.93	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		290.93	7				
TIMING		1ST STAGE		GOOD CIRC THRU JOB			yes
BEGIN RUN CSG.		SPUD	8/19/02	Bbls CMT CIRC TO SURFACE			5 bbls
CSG. IN HOLE			9:00am	RECIPROCATED PIPE FOR			THRU FT STROKE
BEGIN CIRC		7:33 PM	8/19/02	DID BACK PRES. VALVE HOLD ?			N/A
BEGIN PUMP CMT		7:41pm		BUMPED PLUG TO			590 PSI
BEGIN DSPL. CMT		7:51pm					
PLUG DOWN		Cemented					

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	145	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third for 3	
AUG 23 2002	
DIVISION OF OIL, GAS AND MINING	

COMPANY REPRESENTATIVE Ray Herrera DATE 8/19/02

P. 02
FAX NO. 435 646 3031
INLAND PRODUCTION CO
SEP-05-02 THU 09:03 AM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: INLAND PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

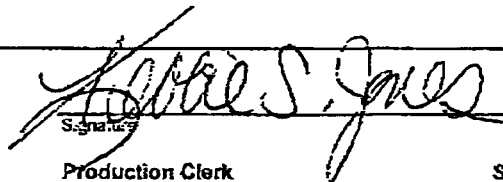
ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q2	SC	TP	RG	COUNTY		
A	99999	12276	43-013-32330	Wells Draw #14A-34-8-16	SE/SW	34	8S	16E	Duchesne	August 16, 2002	9-5-02 08/16/02
WELL 1 COMMENTS											
A	99999	10835	43-013-32313	MBS #1A-2-9-16	NE/NE	2	9S	16E	Duchesne	August 19, 2002	9-5-02 08/19/02
WELL 2 COMMENTS											
A	99999	10835	43-013-32314	MB #2-2-9-16	NW/NE	2	9S	16E	Duchesne	August 28, 2002	9-5-02 08/28/02
WELL 3 COMMENTS											
A	99999	10835	43-013-32315	MB #4-2-9-16	NW/NW	2	9S	16E	Duchesne	August 29, 2002	9-5-02 08/29/02
WELL 4 COMMENTS											
A											
WELL 5 COMMENTS											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well or, y)
- S - Add new well to existing entity (group or unit well)
- C - Reassign well from one existing entity to another existing entity
- D - Reassign well from one existing entity to a new entity
- E - Cancel/replace in comments section

NOTE: Use COMMENT section to explain any such Action Code was selected

(259)


Signature
Kethia S. Jones
Production Clerk
September 5, 2002
Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir Use "APPLICATION FOR PERMIT" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. <div style="text-align: center;">ML - 21839</div>	
1. NAME OF OPERATOR <div style="text-align: center;">INLAND PRODUCTION COMPANY</div>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <div style="text-align: center;">N/A</div>	
2. ADDRESS OF OPERATOR <div style="text-align: center;">Route 3, Box 3630 Myton, Utah 84052 (435) 646-3721</div>		7. UNIT AGREEMENT NAME <div style="text-align: center;">Monument Butte</div>	
3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements * See also space 17 below.) At surface <div style="text-align: center;">728' FEL & 714' FNL NE/NE</div>		8. FARM OR LEASE NAME <div style="text-align: center;">Monument Butte Gr "D"</div>	
4. API NUMBER <div style="text-align: center;">43-013-32313</div>		9. FIELD AND POOL OR WILDCAT <div style="text-align: center;">1a-2-9-16 #</div>	
10. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">5439.7' GR</div>		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA <div style="text-align: center;">Sec 2, T9s, R16E</div>	
12. COUNTY OR PARISH <div style="text-align: center;">Duchesne</div>		13. STATE <div style="text-align: center;">UT</div>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO: OIL/WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (OTHER) <input type="checkbox"/>		SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) <u>Weekly Status Report</u> <input checked="" type="checkbox"/>	
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Weekly Status report for the period of 9/02/02 thru 9/08/02.

On 9/02/02, MIRU Union # 14. Set equipment. Nipple up. Test BOP's. Choke manifold, Kelly, TIW. To 2,000 psi. Test 85/8" csgn to 1,500 psi. State office of DOGM & Vernal BLM was notified of the test. PU & MU bit # 1, MM & BHA. Tag cement @ 249'. Drill out cement & shoe. Drill 77/8" hole with air mist to a depth of 4047'. PU & MU bit #2, MM, & BHA. Drill 77/8" hole with fresh water to a depth of 6105'. Lay down drill string. Open hole log. PU & MU Guide shoe. 1 jt 5 1/2" csg, Float collar & 135 jt's J-55 15.5 # 5 1/2" csgn. Set @ 6067' KB. Cement with 400* sks. 50/50 POZ w/ 3% KCL, 1/4#sk Cello-Flake, 2% Gel, .3%SMS, .05#sk Static free. Mixed @ 14.4 ppg >1.24 YLD. Then 350* sks Prem Litell w/ 3% KCL, 2#sk Kolseal, 10% Gel, .5SMS, 3#sk CSE, mixed @ 11.0ppg >3.49. Good returns thru job with 26 bbls of cement returned to pit. Set slips with 50,000# tension. Nipple down BOP's. Release rig @ 7:30 am on 9/9/02.

WOC
18. I hereby certify that the foregoing is true and correct.

SIGNED <u>Kat Wiser</u>	TITLE <u>Drilling Foreman</u>	DATE <u>09/09/2002</u>	
-------------------------	-------------------------------	------------------------	--

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY

DATE **RECEIVED**

SEP 10 2002

DIVISION OF
OIL, GAS AND MINING

* See Instructions On Reverse Side

INLAND PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6067.91

Flt cllr @ 6049'

LAST CASING 8 5/8" SET AT 300.78'

OPERATOR Inland Production Company

DATUM 10' KB

WELL Monument Butte 1a-2-9-16

DATUM TO CUT OFF CASING _____

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE _____

CONTRACTOR & RIG # Union # 14

TD DRILLER 6105 LOGGER 6107'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					12.4
		37" Flag Jt @ 4348'					
135	5 1/2"	Newport LT & C casing	15.5#	J-55	8rd	A	6039.86
		Float collar					0.6
1	5 1/2"	Newport LT&C csg	15.5#	J-55	8rd	A	16.8
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS	TOTAL LENGTH OF STRING	6070.31
TOTAL LENGTH OF STRING	6070.31	136	LESS CUT OFF PIECE	12.4
LESS NON CSG. ITEMS	13.65		PLUS DATUM TO T/CUT OFF CSG	10
PLUS FULL JTS. LEFT OUT	44.85	1	CASING SET DEPTH	6067.91

TOTAL	6101.51	137	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	6101.51'	137		
TIMING	1ST STAGE	2nd Stage		
BEGIN RUN CSG.	10:45pm		GOOD CIRC THRU JOB	Yes
CSG. IN HOLE	1:30am		Bbls CMT CIRC TO SURFACE	26
BEGIN CIRC	1:30am	2:30am	RECIPROCATED PIPE 15 mins	THRU 6' STROKE
BEGIN PUMP CMT	2:52am	3:21am	DID BACK PRES. VALVE HOLD ?	Yes
BEGIN DSPL. CMT	3:38am		BUMPED PLUG TO	1965 PSI
PLUG DOWN		4:10am		

CEMENT USED		CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	350	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE+ 2# sk/kolseal + 1/4#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	400	50/50 poz W/ 2% Gel + 3% KCL, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Pat Wisener

DATE 09/09/2002

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

714 FNL 728 FEL NE/NE Section 2, T9S R16E

5. Lease Designation and Serial No.

ML-21839

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or C.A. Agreement Designation

NA

8. Well Name and No.

MONUMENT BUTTE 1A-2-9-16

9. API Well No.

43-013-32313

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTA

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Weekly status

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Status report for time period 9/16/02 through 9/22/02.

Subject well had completion procedures initiated in the Green River formation on 9/16/02 without use of a service rig over the well. A cement bond log was ran and four intervals were perforated and hydraulically fracture treated using composite flow-through frac plugs between stages. A service rig was moved on well on 9/19/02. Plugs were drilled out and well was cleaned out to PBTD @ 6057'. Zones were swab tested for sand cleanup. Production tbg was ran in and anchored in well. A repaired rod pump and used rod string was ran in well. Well began producing via rod pump on 9/21/02.

RECEIVED

SEP 24 2002

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Gary Dietz
Gary Dietz

Title

Completion Foreman

Date

9/22/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



October 29, 2002

State of Utah, Division of Oil, Gas and Mining
Attn: Ms. Carol Daniels
P.O. Box 145801
Salt Lake City, Utah 84144-5801

Attn: Ms. Carol Daniels

Monument Butte #1A-2-9-16 (43-013-32313)
Duchesne County, UT

Dear Ms. Carol Daniels

Enclosed is a Well Completion or Recompletion Report and Log form (Form 3160-4). We are no longer sending Log copies since Dave Jull of Phoenix Surveys is already doing so.

If you should have any questions, please contact me at (303) 382-4449.

Sincerely,

Brian Harris
Engineering Tech

Enclosures

cc: Bureau of Land Management
Vernal District Office, Division of Minerals
Attn: Edwin I. Forsman
170 South 500 East
Vernal, Utah 84078

Well File – Denver
Well File – Roosevelt
Patsy Barreau/Denver
Bob Jewett/Denver
Tara Eisler/Denver

RECEIVED

OCT 31 2002

DIVISION OF
OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____						7. UNIT AGREEMENT NAME Monument Butte	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____						8. FARM OR LEASE NAME, WELL NO. Monument Butte #1A-2-9-16	
2. NAME OF OPERATOR INLAND RESOURCES INC.						9. WELL NO. 43-013-32313	
3. ADDRESS AND TELEPHONE NO. 410 17th St. Suite 700 Denver, CO 80202						10. FIELD AND POOL OR WILDCAT Monument Butte	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 714 FNL & 728' FEL (NENE) Sect. 2, T9S, R16E At top prod. Interval reported below						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sect. 2, T9S, R16E	
At total depth				14. API NO. 43-013-32313	DATE ISSUED 12/03/01	12. COUNTY OR PARISH Duchesne	13. STATE UT
15. DATE SPURRED 8/19/02	16. DATE T.D. REACHED 9/08/02	17. DATE COMPL. (Ready to prod.) 9/21/02	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5440' GL 5450' KB		19. ELEV. CASINGHEAD		
20. TOTAL DEPTH, MD & TVD 6105' KB		21. PLUG BACK T.D., MD & TVD 6057' KB		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY ----->	ROTARY TOOLS X	CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4288'-5811'							25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN 11-05-03 - DIGI/SP/CDL/GR/Cal CBL/GR/CCL-11-5-02							27. WAS WELL CORED No
23. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED
8-5/8" - J-55		24#	300.78'	12-1/4"	To surface with 145 sx Class "G" cmt		
5-1/2" - J-55		15.5#	6067.91'	7-7/8"	350 sx Premlite II and 400 sx 50/50 Poz		
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE 2-7/8"	DEPTH SET (MD) EOT @	PACKER SET (MD) TA @
						5862' KB	5763' KB
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
INTERVAL		SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
(CP) 5804-11', 5750-54', 5703-15', 5661-68'		.038"	4/120	5661'-5811'	Frac w/ 60,000# 20/40 sand in 260 bbls frac fluid		
(A sands) 5367-71', 5354-60', 5284-88'		.038"	4/56	5284'-5371'	Frac w/ 60,000# 20/40 sand in 258 bbls frac fluid		
(D/C) 4988-96', 4906-10', 4874-79', 4828-37'		.038"	4/104	4828'-4996'	Frac w/ 75,000# 20/40 sand in 337 bbls frac fluid		
(GB/X-stray) 4630-37', 4368-74', 4288-12'		.038"	4/100	4288'-4637'	Frac w/ 96,480# 20/40 sand in 391 bbls frac fluid		
33.* PRODUCTION							
DATE FIRST PRODUCTION 9/21/02		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC Pump				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD -->	OIL--BBL. 70	GAS--MCF. 110	WATER--BBL. 46	GAS-OIL RATIO 1571
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE -->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel						TEST WITNESSED BY OCT 31 2002	
35. LIST OF ATTACHMENTS							

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Monument Butte 1A-2-9-16	Garden Gulch Mkr	4108'	
				Garden Gulch 2	4378'	
				Point 3 Mkr	4625'	
				X Mkr	4662'	
				Y-Mkr	4785'	
				Douglas Creek Mkr	5032'	
				BiCarbonate Mkr	5160'	
				B Limestone Mkr	5634'	
				Castle Peak		
				Basal Carbonate		
				Total Depth (LOGGERS)	6105'	

RECEIVED

OCT 31 2002

DIVISION OF
OIL, GAS AND MINING

RECEIVED

OCT 31 2002

DIVISION OF
OIL, GAS AND MINING

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE APPLICATION
OF INLAND PRODUCTION COMPANY
FOR ADMINISTRATIVE APPROVAL OF
THE MONUMENT BUTTE #1A-2-9-16
WELL LOCATED IN SECTION 2,
TOWNSHIP 9 SOUTH, RANGE 16 EAST,
AND ASHLEY #15-10-9-15 WELL
LOCATED IN SECTION 10, TOWNSHIP 9
SOUTH, RANGE 15 EAST, DUCHESNE
COUNTY, UTAH, AS CLASS II
INJECTION WELLS

:
:
:
:
:
:
:
:

NOTICE OF AGENCY ACTION

CAUSE NO. UIC 310

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

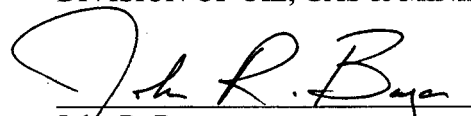
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Butte #1A-2-9-16 well, located in NE/4 NE/4 Section 2, Township 9 South, Range 16 East, and Ashley #15-10-9-15 well, located in SW/4 SE/4 Section 10, Township 9 South, Range 15 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. These wells are located in the Monument Butte and Ashley Units. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is John R. Baza, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of January, 2003.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



John R. Baza
Associate Director

**Inland Production Company
Monument Butte #1A-2-9-16
Ashley #15-10-9-15
Cause No. UIC 310**

Publication Notices were sent to the following:

Inland Production Company
1401 17th Street, Suite 100
Denver CO 80202

Duchesne County Planning
PO Box 317
Duchesne, Utah 84021-0356

Uintah Basin Standard "(435) 722-4140
268 South 200 East
Roosevelt, Utah 84066-3109


Inland Production Co.
Route 3 Box 3630
Myton, UT 84052

via E-Mail and Facsimile (801) 237-2776
Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

School & Institutional Trust Land
675 East 500 South, Suite 500
Salt Lake City, Utah 84102

Vernal Field Office District Office
Bureau of Land Management
170 South 500 East
Vernal, UTah 84078

Dan Jackson
US EPA Region VIII, Suite 5000
999 18th Street
Denver, CO 80202-2466


Julie Carter
Executive Secretary
January 29, 2004



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 29, 2004

SENT VIA E-MAIL AND FAX (801) 237-2776

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

RE: Notice of Agency Action - Cause No. UIC 310

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script, reading "Julie Carter".

Julie Carter
Executive Secretary

encl.

TRANSACTION REPORT

P. 01

JAN-29-2004 THU 01:28 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
JAN-29	01:27 PM	2372776	46"	2	SEND	OK	221	

TOTAL : 46S PAGES: 2



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 29, 2004

SENT VIA E-MAIL AND FAX (801) 237-2776

Salt Lake Tribune
PO Box 45838
Salt Lake City, UT 84145

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State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

January 29, 2004

SENT VIA E-MAIL AND FAX

Uintah Basin Standard (435) 722-4140
268 South 200 East
Roosevelt, Utah 84066-3109

RE: Notice of Agency Action - Cause No. UIC 310

Gentlemen:

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Sincerely,

A handwritten signature in cursive script that reads "Julie Carter".

Julie Carter
Executive Secretary

encl.

TRANSACTION REPORT

P. 01

JAN-29-2004 THU 01:26 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
JAN-29	01:26 PM	14357224140	44"	2	SEND	OK	220	
TOTAL :						44S PAGES:	2	



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
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OLENE S. WALKER
Lieutenant Governor

January 29, 2004

SENT VIA E-MAIL AND FAX

Uintah Basin Standard (435) 722-4140
268 South 200 East
Roosevelt, Utah 84066-3109

RE: Notice of Agency Action - Cause No. UIC 310

Gentlemen:

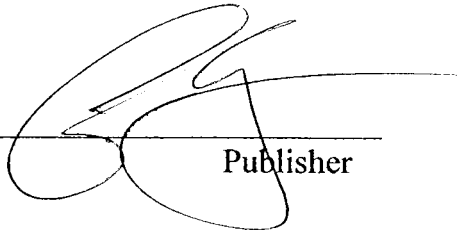
Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, Suite 1210, PO Box 145801, Salt Lake City, Utah 84114-5801.

AFFIDAVIT OF PUBLICATION

COPY

County of Duchesne,
STATE OF UTAH

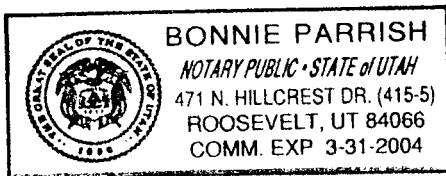
I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 3 day of February, 20 04, and that the last publication of such notice was in the issue of such newspaper dated the 3 day of February, 20 04.



Publisher

Subscribed and sworn to before me this
3 day of February, 20 04
Bonnie Parrish

Notary Public



NOTICE OF AGENCY ACTION

CAUSE NO. UIC 310
BEFORE THE DIVI-
SION OF OIL, GAS AND
MINING, DEPARTMENT
OF NATURAL RE-
SOURCE, STATE OF
UTAH

IN THE MATTER OF
THE APPLICATION OF
Inland Production Com-
pany FOR ADMINISTRA-
TIVE APPROVAL OF
THE Monument Butte #1A-
2-9-16 WELL LOCATED
IN SECTION 2, TOWN-
SHIP 9 South, RANGE 16
East, AND Ashley #15-10-
9-15 WELL LOCATED IN
SECTION 10, TOWNSHIP
9 SOUTH, RANGE 15
EAST, Duchesne
COUNTY, UTAH, AS
CLASS II INJECTION
WELLS

THE STATE OF UTAH
TO ALL PERSONS IN-
TERESTED IN THE
ABOVE ENTITLED
MATTER.

Notice is hereby given
that the Division of Oil, Gas
and Mining (the "Division")
is commencing an informal
adjudicative proceeding to
consider the application of
Inland Production Com-
pany for administrative ap-
proval of the Monument
Butte #1A-2-9-16 well, lo-
cated in NE/4 NE/4 Section
2, Township 9 South, Range
16 East, and Ashley #15-
10-9-15 well, located in
SW/4 SE/4 Section 10,
Township 9 South, Range
15 East, S.L.M., Duchesne
County, Utah, for conver-
sion to Class II injection
wells. These wells are lo-
cated in the Monument
Butte and Ashley Units. The
adjudicative proceeding
will be conducted inform-
ally according to Utah
Admin. Rule R649-10, Ad-
ministrative Procedures.

Selective zones in the
Green River Formation will
be used for water injection.
The maximum requested
injection pressure and rate
will be determined based
on fracture gradient infor-
mation submitted by Inland
Production Company.

object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is John R. Baza, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of January, 2003.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

John R. Baza

Associate Director

Published in the Uintah
Basin Standard February 3,
2004.

Newspaper Agency Corporation

143 SOUTH MAIN ST.

P.O. BOX 45838

SALT LAKE CITY, UTAH 84145

FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

Deseret Morning News

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	02/03/04

RECEIVED

FEB 09 2004

DIV. OF OIL, GAS & MINING

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8202BKED1
SCHEDULE	
START 02/03/04	END 02/03/04
CUST. REF. NO.	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS	
SIZE	
59 LINES	2.00 COLUMN
TIMES	RATE
1	1.25
MISC. CHARGES	AD CHARGES
.00	151.50
TOTAL COST	
151.50	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UO0310

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE MONUMENT BUTTE #1A-2-9-16 WELL LOCATED IN SECTION 2, TOWNSHIP 9 SOUTH, RANGE 16 EAST, AND ASHLEY #15-10-9-15 WELL LOCATED IN SECTION 10, TOWNSHIP 9 SOUTH, RANGE 15 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument Butte #1A-2-9-16 well, located in NE/4 NE/4 Section 2, Township 9 South, Range 16 East, and Ashley #15-10-9-15 well, located in SW/4 SE/4 Section 10, Township 9 South, Range 15 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. These wells are located in the Monument Butte and Ashley Units. The adjudicative proceeding will be conducted informally according to Utah Admin. Rule R649-10, Administrative Procedures.

Selective zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rate will be determined based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the proposed application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for this proceeding is John R. Boza, Associate Director at PO Box 145801, Salt Lake City, Utah 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rule. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 29th day of January, 2003.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/ John R. Boza
Associate Director

8202BKED

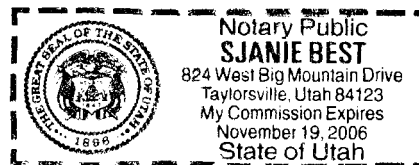
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS
DIV OF OIL-GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 02/03/04 END 02/03/04

SIGNATURE Janie Best

DATE 02/03/04



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

COPY

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL ☐ GAS ☐
WELL ☐ WELL ☐ OTHER ☒2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY3. ADDRESS AND TELEPHONE NUMBER
**Rt. 3 Box 3630, Myton Utah 84052
435-646-3721**4. LOCATION OF WELL

Footages **714 FNL 728 FEL**

QQ, SEC, T, R, M: **NE/NE Section 2, T9S R16E**

5. LEASE DESIGNATION AND SERIAL NO.

ML-21839

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

N/A

7. UNIT AGREEMENT NAME

MONUMENT BUTTE

8. WELL NAME and NUMBER

MONUMENT BUTTE 1A-2-9-16

9. API NUMBER

43-013-32313

10. FIELD AND POOL, OR WILDCAT

MONUMENT BUTTECOUNTY **DUCHESNE**STATE **UTAH**11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA****NOTICE OF INTENT:**

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input type="checkbox"/> MULTIPLE COMPLETION | <input type="checkbox"/> WATER SHUT OFF |
| <input checked="" type="checkbox"/> OTHER <u>Dispose Water</u> | |

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON* | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input type="checkbox"/> OTHER _____ | |

DATE WORK COMPLETED _____

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

13. NAME & SIGNATURE: Mandie Crozier TITLE Regulatory SpecialistDATE 11/13/2003

(This space for State use only)

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RECEIVED
NOV 17 2003
DIV. OF OIL, GAS & MINING



January 16, 2004

UIC - 310.1

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Monument Butte #1A-2-9-16
Monument Butte Field, Monument Butte Unit, Lease #ML-21839
Section 2-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Butte #1A-2-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Monument Butte Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

David Gerbig
Operations Engineer

RECEIVED
JAN 23 2004
DIV. OF OIL, GAS & MINING

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
MONUMENT BUTTE #1A-2-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
MONUMENT BUTTE UNIT
LEASE #ML-21839
JANUARY 16, 2004

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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS 410 17th Street, Suite 700
Denver, Colorado 80202

Well Name and number: Monument Butte #1A-2-9-16
Field or Unit name: Monument Butte (Green River) Monument Butte Unit Lease No. ML-21839
Well Location: QQ NE/NE section 2 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒

Date of test: _____

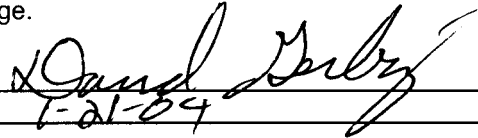
API number: 43-013-32313

Proposed injection interval: from 4108 to 6105
Proposed maximum injection: rate 500 bpd pressure 1839 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: David Gerbig Signature 
Title Operations Engineer Date 7-21-09
Phone No. (303) 893-0102

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:

Monument Butte 1A-2-9-16

Spud Date: 08/16/2002
Put on Production: 9/21/02
GL: 5440' KB: 5450'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (293')
DEPTH LANDED: 301' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 145 sxs Class "G" cmt, est 5 bbls cmt to surf.

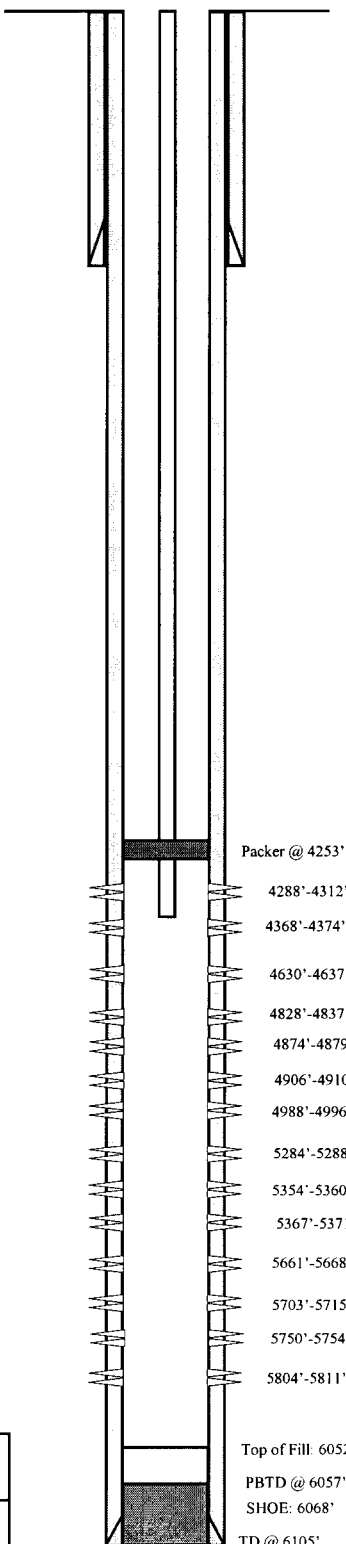
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (6070')
DEPTH LANDED: 6068' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 30'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 183 jts (5754')
TUBING ANCHOR: 5764' KB
NO. OF JOINTS: 1 jts (31')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5798' KB
NO. OF JOINTS: 2 jts (63')
TOTAL STRING LENGTH: EOT @ 5862' W/10' KB

Proposed Injection Wellbore Diagram



Initial Production: 70 BOPD,
110 MCFD, 46 BWPD

FRAC JOB

9/18/02 5661'-5811' **Frac CP.5,2,3 sands as follows:**
60,000# 20/40 sand in 260 bbls Viking I-25 fluid. Treated @ avg press of 1475 psi w/avg rate of 25.6 BPM. ISIP 1920 psi. Calc flush: 5661 gal. Actual flush: 5565 gal.

9/18/02 5284'-5371' **Frac A 1,3, sands as follows:**
6000# 20/40 sand in 258 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25.7 BPM. ISIP 2080 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.

9/18/02 4828'-4996' **Frac C/D sands as follows:**
75,000# 20/40 sand in 337 bbls Viking I-25 fluid. Treated @ avg press of 1835 psi w/avg rate of 25.9 BPM. ISIP 2090 psi. Calc flush: 4828 gal. Actual flush: 4746 gal.

9/18/02 4288'-4637' **Frac X/GB 4,6 sands as follows:**
96,480# 20/40 sand in 391 bbls Viking I-25 fluid. Treated @ avg press of 1685 psi w/avg rate of 25.7 BPM. ISIP 1980 psi. Calc flush: 4288 gal. Actual flush: 4200 gal.

PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
9/18/02	5804'-5811'	4 JSPF	28 holes
9/18/02	5750'-5754'	4 JSPF	16 holes
9/18/02	5703'-5715'	4 JSPF	48 holes
9/18/02	5661'-5668'	4 JSPF	28 holes
9/18/02	5367'-5371'	4 JSPF	16 holes
9/18/02	5354'-5360'	4 JSPF	24 holes
9/18/02	5284'-5288'	4 JSPF	16 holes
9/18/02	4988'-4996'	4 JSPF	32 holes
9/18/02	4906'-4910'	4 JSPF	16 holes
9/18/02	4874'-4879'	4 JSPF	20 holes
9/18/02	4828'-4837'	4 JSPF	36 holes
9/18/02	4630'-4637'	4 JSPF	28 holes
9/18/02	4368'-4374'	4 JSPF	24 holes
9/18/02	4288'-4312'	2 JSPF	48 holes



Inland Resources Inc.

Monument Butte #1A-2-9-16

714' FNL & 728' FEL

NE/NE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32313; Lease #ML-21839

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Monument Butte #1A-2-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field, Monument Butte Unit.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. In the Monument Butte #1A-2-9-16 well, the proposed injection zone is from Garden Gulch to Basal Limestone (4108' - 6105'). The confining strata directly above and below the injection zones are the Garden Gulch and Castle Peak Members of the Green River Formation, with the Garden Gulch Marker top at 4108' and the Castle Peak top at 5634'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Monument Butte #1A-2-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #ML-21839) in the Monument Butte (Green River) Field, Monument Butte Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 301' GL, and 5-1/2" 15.5# J-55 casing run from surface to 6068' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1839 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Butte #1A-2-9-16, for existing perforations (4288' - 5811') calculates at 0.78 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1839 psig. We may add additional perforations between 4108' and 6105'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Butte #1A-2-9-16, the proposed injection zone (4108' - 6105') is in the Garden Gulch to Basal limestone members of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-14.

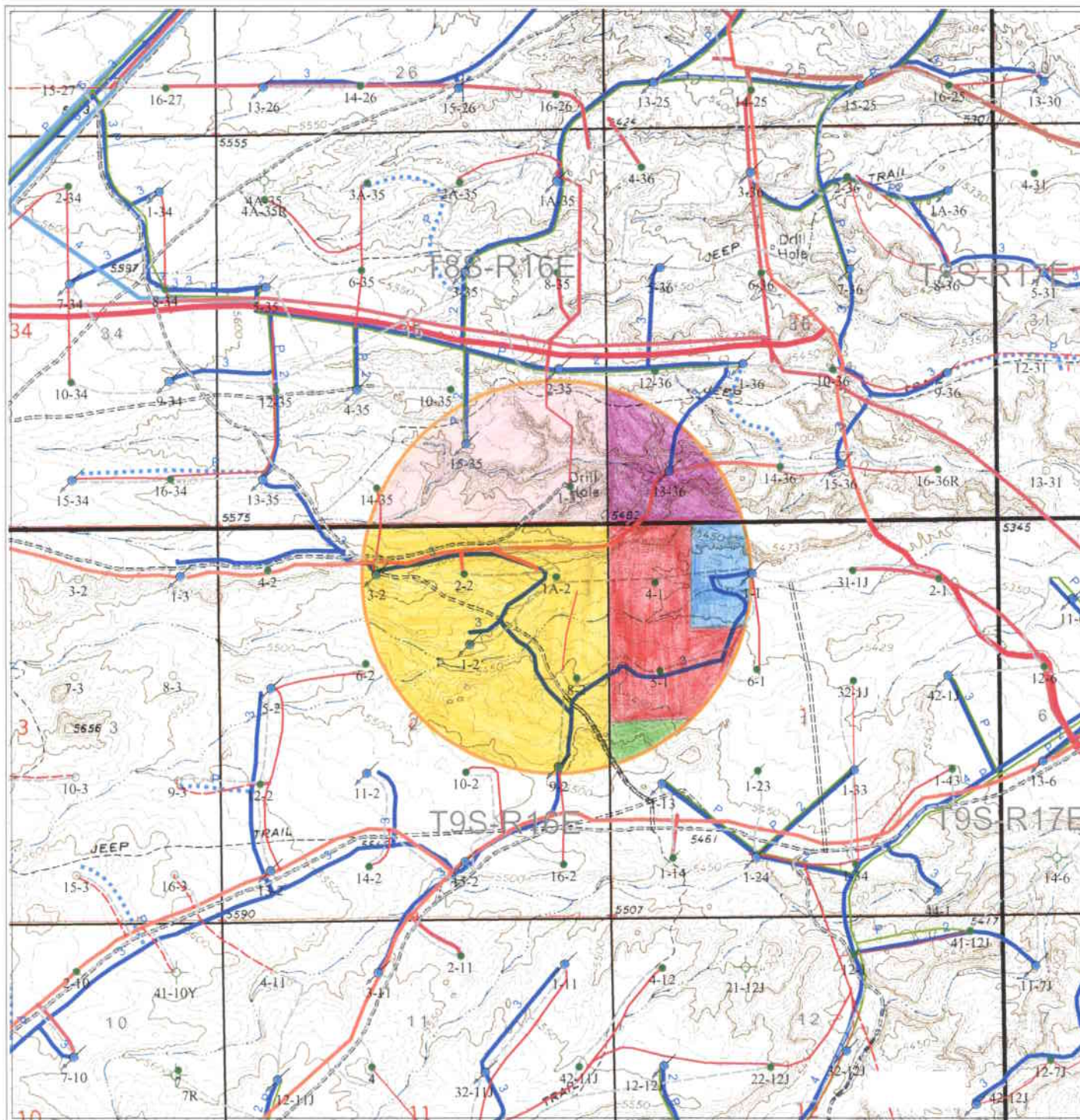
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

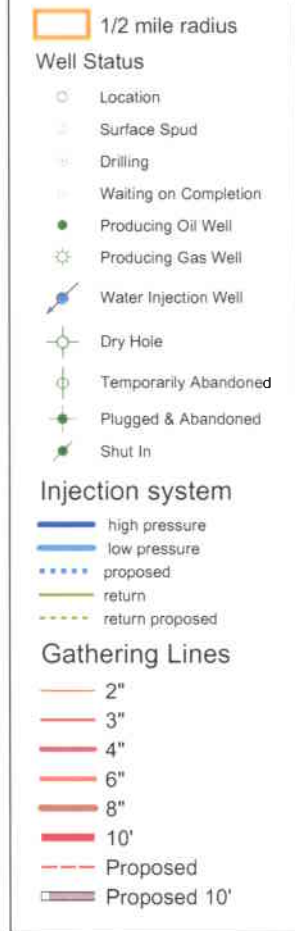
See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**


Inland Production Company will supply any requested information to the Board or Division.



Attachment A MC-21839
 UTU-72103
 UTU-72104
 U-10399
 MC-22061
 U-10535



Monument Butte State 1A-2-9-16
 Section 2, T9S-R16E



1" = 2000'

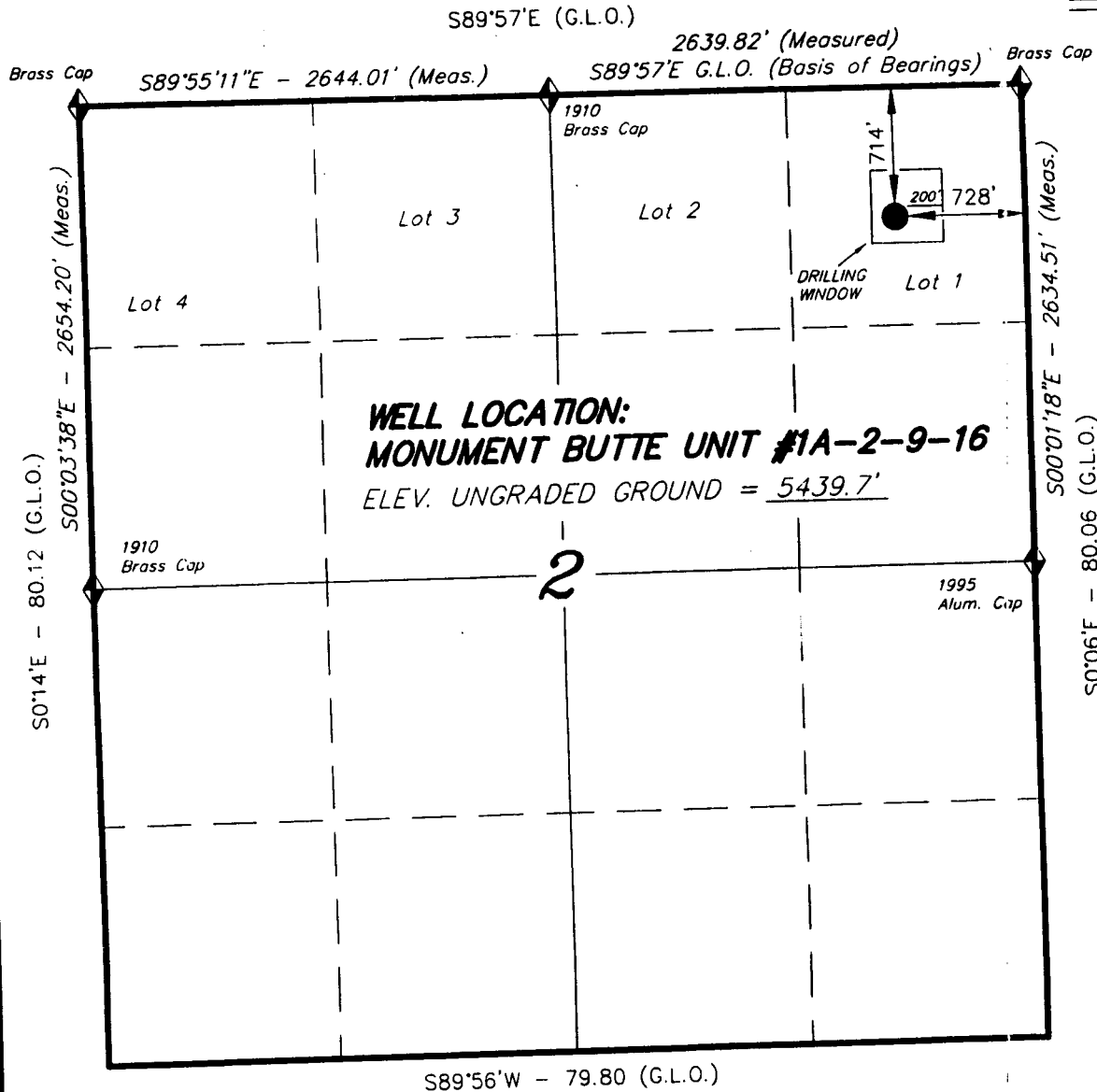
1/2 Mile Radius Map
 Uinta Basin, Utah
 Duchesne County

Alamo Plaza Building
 1401 17th Street
 Suite 1000
 Denver CO 80202-1247

January 8, 2004

T9S, R16E, S.L.B.&M.

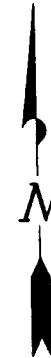
INLAND PRODUCTION CO. & M.



WELL LOCATION:
MONUMENT BUTTE UNIT #1A-2-9-16
 ELEV. UNGRADED GROUND = 5439.7'

WELL LOCATION, MONUMENT BUTTE UNIT #1A-2-9-16, LOCATED AS SHOWN IN LOT 1 OF SECTION 2, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

Attachment A-1



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STACY W. STEWART

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 18937
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
 38 WEST 100 NORTH - VERNAL, UTAH 84078
 (435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

SCALE: 1" = 1000'	SURVEYED BY: G.S. D.J.
DATE: 10-8-01	DRAWN BY: J.R.S.
NOTES:	FILE #

Attachment B

Page 1

#	Land Description	Minerals Ownership & Expiration	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 2: ALL	ML-21839 HBP	Inland Production Company Beverly Sommer Davis Brothers Davis Resources Texas General Offshore International Drilling Services Raymond H. Brennan Marian Brennan Deer Valley Ltd AGK Energy LLC Jasper N. Warren Thomas I. Jackson	State of Utah
2	<u>Township 9 South, Range 16 East</u> Section 1: Lot 3	U-72104 HBP	Inland Production Company Jasper N. Warren King Oil & Gas of Texas, LTD.	USA
3	<u>Township 9 South, Range 16 East</u> Section 1: Lots 4, S2NW	U-72103 HBP	Inland Production Company King Oil & Gas of Texas, LTD. Tucker Family Investments, LLLP Davis Brothers Davis Resources	USA
4	<u>Township 9 South, Range 16 East</u> Section 1: SW	U-18399 HBP	Inland Production Company	USA
5	<u>Township 8 South, Range 16 East</u> Section 36: ALL	ML-22061 HBP	Inland Production Company Beverly Sommer Deer Valley Ltd Raymond H. Brennan Marian Brennan AGK Energy LLC Jasper N. Warren Davis Brothers Davis Resources Thomas I. Jackson Texas General Offshore International Drilling Services	State of Utah

6 Township 8 South, Range 16 East
Section 34: NE, N2SE, SESE
Section 35: ALL

U-16535
HBP

Inland Production Company
Marian Brennan
Raymond H. Brennan
Davis Brothers
Davis Resources
Beverly Sommer
Internation Drilling Services
Thomas Jackson
King Oil & Gas of Texas, LTD
Texas General Offshore
Jack Warren
Deer Valley LTD
AGK Energy LLC

USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Monument Butte #1A-2-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: David Gerbig
Inland Production Company
David Gerbig
Operations Engineer

Sworn to and subscribed before me this 21st day of January, 2004.

Notary Public in and for the State of Colorado: [Signature]

My Commission Expires: 8/29/05

Monument Butte 1A-2-9-16

Spud Date: 08/16/2002
Put on Production: 9/21/02

GL: 5440' KB: 5450'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (293')
DEPTH LANDED: 301' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 145 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts (6070')
DEPTH LANDED: 6068' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 30'

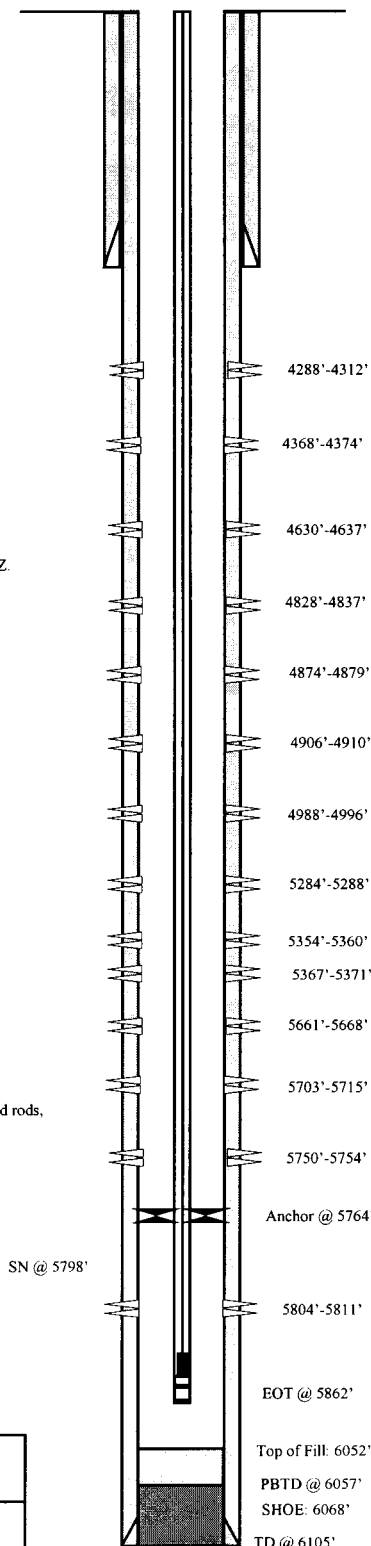
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 183 jts (5754')
TUBING ANCHOR: 5764' KB
NO. OF JOINTS: 1 jts (31')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5798' KB
NO. OF JOINTS: 2 jts (63')
TOTAL STRING LENGTH: EOT @ 5862' W/10' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 1-6", 1-2" x 3/4" pony rods, 100-3/4" scraped rods, 115-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4 SPM
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram

FRAC JOB

9/18/02 5661'-5811' **Frac CP.5,2,3 sands as follows:**
60,000# 20/40 sand in 260 bbls Viking I-25 fluid. Treated @ avg press of 1475 psi w/avg rate of 25.6 BPM. ISIP 1920 psi. Calc flush: 5661 gal. Actual flush: 5565 gal.

9/18/02 5284'-5371' **Frac A 1,3, sands as follows:**
6000# 20/40 sand in 258 bbls Viking I-25 fluid. Treated @ avg press of 1850 psi w/avg rate of 25.7 BPM. ISIP 2080 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.

9/18/02 4828'-4996' **Frac C/D sands as follows:**
75,000# 20/40 sand in 337 bbls Viking I-25 fluid. Treated @ avg press of 1835 psi w/avg rate of 25.9 BPM. ISIP 2090 psi. Calc flush: 4828 gal. Actual flush: 4746 gal.

9/18/02 4288'-4637' **Frac X/GB 4,6 sands as follows:**
96,480# 20/40 sand in 391 bbls Viking I-25 fluid. Treated @ avg press of 1685 psi w/avg rate of 25.7 BPM. ISIP 1980 psi. Calc flush: 4288 gal. Actual flush: 4200 gal.

PERFORATION RECORD

9/18/02	5804'-5811'	4 JSPF	28 holes
9/18/02	5750'-5754'	4 JSPF	16 holes
9/18/02	5703'-5715'	4 JSPF	48 holes
9/18/02	5661'-5668'	4 JSPF	28 holes
9/18/02	5367'-5371'	4 JSPF	16 holes
9/18/02	5354'-5360'	4 JSPF	24 holes
9/18/02	5284'-5288'	4 JSPF	16 holes
9/18/02	4988'-4996'	4 JSPF	32 holes
9/18/02	4906'-4910'	4 JSPF	16 holes
9/18/02	4874'-4879'	4 JSPF	20 holes
9/18/02	4828'-4837'	4 JSPF	36 holes
9/18/02	4630'-4637'	4 JSPF	28 holes
9/18/02	4368'-4374'	4 JSPF	24 holes
9/18/02	4288'-4312'	2 JSPF	48 holes



Inland Resources Inc.

Monument Butte #1A-2-9-16

714' FNL & 728' FEL

NE/NE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32313; Lease #ML-21839

SPUD DATE: 12/19/82
Put on Production: 1/28/83
Put on Injection: 2/22/00
GL: 5396' KB: 5408'

Monument Butte State #13-36-8-16

IP: 71 BOPD, 0 MCFD, 0 BWD

SURFACE CASING:

CSG SIZE: 8 5/8"
WEIGHT: 23#
DEPTH LANDED: 281'
HOLE SIZE: 12 1/2"
CEMENT DATA: 210 sx Class "G" plus 2%
CaCl and 1/4#/sx flakes to sfc.

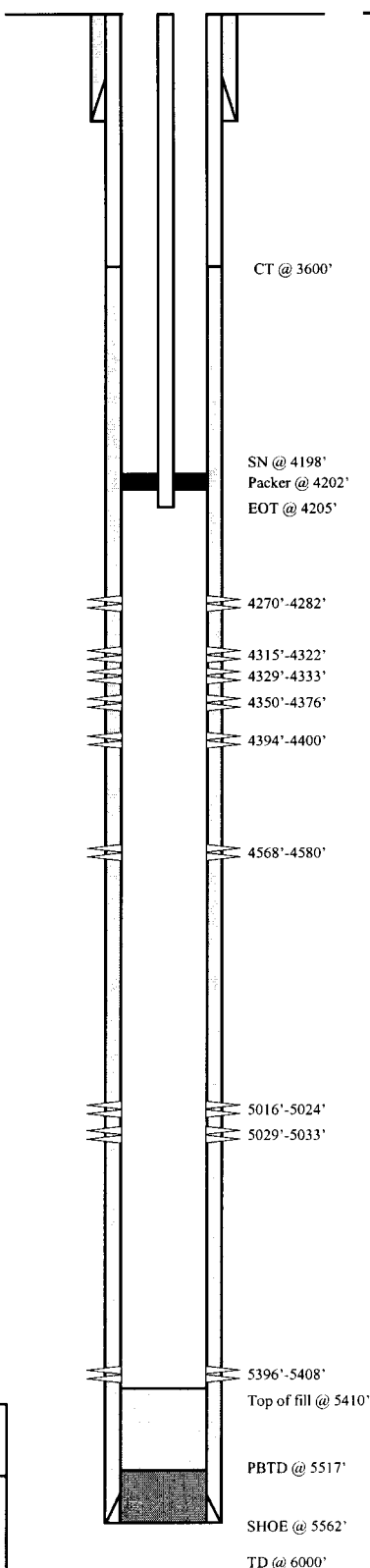
PRODUCTION CASING

SIZE: 5 1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 127 jts 5562'
HOLE SIZE: 7 7/8"
CEMENT DATA: 280 sx Gypseal cement
CEMENT TOP @ 3600'

TUBING:

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts (4184.59')
SEATING NIPPLE: 2 7/8" (1.10')
SN LANDED AT: 4197.69' KB
PACKER: 4202' KB
EOT @ 4205.00' KB

Injection Wellbore Diagram



FRAC JOBS

1/08/83	5396'-5408'	Frac LODC sands as follows: 62,000# 20/40 sand in 488 bbls frac fluid. Treated @ avg press of 2950 psi w/avg rate of 29 BPM. ISIP 2140 psi. Calc. flush: 5396 gal. Actual flush: 5334 gal.
1/13/83	5396'-5408'	FracC sands as follows: 18,040# 20/40 sand in 365 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 40 BPM. ISIP 4500 psi. Screened out.
9/08/84	4350'-4376'	Frac GB6 sands as follows: 107,000# 20/40 sand + 24,000# 10/20 sand in 881 bbls gelled 5% KCl. Treated @ avg press of 1800 psi w/avg rate of 22 BPM. ISIP 2080 psi. Calc. flush: 4350 gal. Actual flush: 4500 gal.
09/29/03		Add new perforations to Inj. Well.

PERFORATION RECORD:

1-08-83	5396'-5408'	1 SPF	13 holes
1-13-83	5016'-5024'	1 SPF	8 holes
1-13-83	5029'-5033'	1 SPF	4 holes
9-07-84	4350'-4376'	1 SPF	27 holes
09/26/03	4568'-4580'	4 JSPF	48 holes
09/26/03	4394'-4400'	4 JSPF	24 holes
09/26/03	4329'-4333'	4 JSPF	16 holes
09/26/03	4315'-4322'	4 JSPF	28 holes
09/26/03	4270'-4282'	4 JSPF	48 holes



Inland Resources Inc.

Monument Butte State #13-36-8-16

818 FWL & 697 FSL

SWSW Section 36-T8S-R16E

Duchesne Co, Utah

API #43-013-30623; Lease #U-22061

MR 10/23/03

Monument Butte Fed. #1-35-8-16

Spud Date: 3/19/81
Put on Production: 4/21/81
GL: 5482' KB: 5491'

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE:
WEIGHT: 36#
LENGTH: 249'
HOLE SIZE: 14-3/4"
CEMENT DATA: 100 sxs Lite cmt. + 190 sxs Class "G".

PRODUCTION CASING

CSG SIZE: 5-1/2" / J-55 / 15.5#
LENGTH: 5563'
HOLE SIZE: 7-7/8"
CEMENT DATA: 700 sxs 50/50 POZ.
CEMENT TOP AT: 1460' per CBL

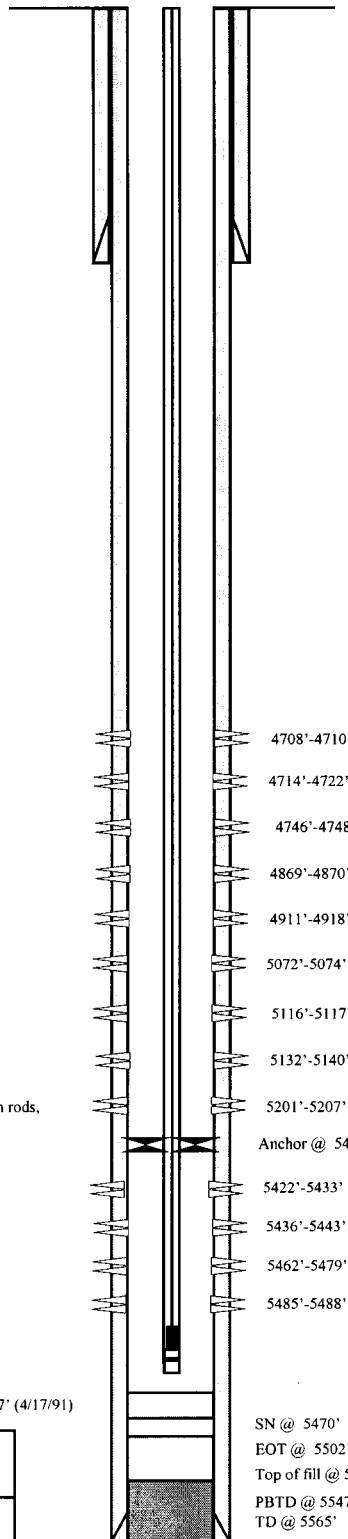
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 177 jts (5397.57')
TUBING ANCHOR: 5406.57'
NO. OF JOINTS: 2 jts (60.85')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5470.22' KB
NO. OF JOINTS: 1 jt (30.37')
TOTAL STRING LENGTH: EOT @ 5502.14'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6- 1 1/2" Wt. Rods, 10-3/4" scraper rods, 130-3/4" plain rods,
71-3/4" scraper rods, 1-4", 1-8" x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/4" x 16' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 8 SPM

Wellbore Diagram


FRAC JOB

4/18/81	5428'-5441'	Frac A3 sand as follows: 10,500# 20/40 sand, 5,000# 13/20 sand in 469 bbls. of diesel. Avg. treating pressure 5100 psi @ 15 BPM. ISIP 2100 psi.
10/17/81	4869'-5205'	Frac D, C, B sands as follows: 95,500# 20/40 sand in 452 bbls. gelled diesel. Avg. treating press. 3800 psi @ 20 BPM. ISIP 2190 psi.
10/21/81	4708'-4748'	Frac Stray sands as follows: 95,500# 20/40 sand in 393 bbls. gelled diesel. Avg. treating press. 4600 psi @ 20 BPM. ISIP 2800 psi.
May 1996		Last reported production.
2/04/02		Reperf and new perms. Return to production.

PERFORATION RECORD

04/18/81	5438-5441'	2 SPF
04/18/81	5428-5431'	2 SPF
10/17/81	5202'-5205'	1 SPF
10/17/81	5116'-5117'	1 SPF
10/17/81	4911'-4916'	1 SPF
10/17/81	4869'-4870'	1 SPF
10/20/81	4746'-4748'	1 SPF
10/20/81	4714'-4722'	1 SPF
10/20/81	4708'-4710'	1 SPF
2/04/02	4911'-4918'	4 SPF
2/04/02	5072'-5074'	4 SPF
2/04/02	5132'-5140'	4 SPF
2/04/02	5201'-5207'	4 SPF
2/04/02	5422'-5433'	4 SPF
2/04/02	5436'-5443'	4 SPF
2/04/02	5462'-5479'	4 SPF
2/04/02	5485'-5488'	4 SPF

Bridge plug milled and pushed to PBTD 5547' (4/17/91)



Inland Resources Inc.

Monument Butte Fed. #1-35-8-16

506' FSL & 528' FEL

SESE Section 35-T8S-R16E

Duchesne Co, Utah

API #43-013-30561; Lease #U-16535

Monument Butte Federal #2-35-8-16

Spud Date: 11/6/81
 Put on Production: 1/15/82
 Put on Injection: 9/2/88

GL: 5515' KB: 5532'

SURFACE CASING

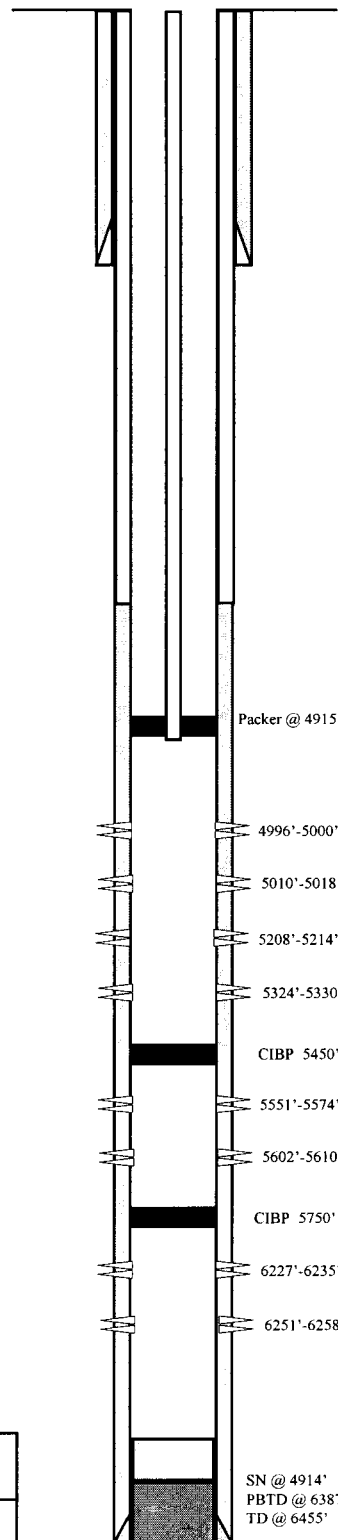
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 DEPTH LANDED: 282' GL
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 115 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 17#
 DEPTH LANDED: 6444'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 766 sxs 50/50 POZ.
 CEMENT TOP AT: 3104' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 155 jts.
 SEATING NIPPLE: 4914' KB
 PACKER AT: 4915' KB
 TOTAL STRING LENGTH: 4921' KB

Injection Wellbore
DiagramFRAC JOB

11/28/81 6227'-6258' **Frac CP-2 sand as follows:**
 40,000# of 20/40 sand in 535 bbls of frac fluid. Treated @ avg rate of 29 bpm w/avg press of 2600 psi. ISIP: 2250 psi. Flushed to perfs.

12/04/81 4990'-5330' **Frac D1/B2 sand as follows:**
 59,500# of 20/40 sand in 809 bbls of frac fluid. Treated @ avg rate of 36 bpm w/avg press of 2400 psi. ISIP: 2000 psi. Flushed to perfs.

03/02/85 5551'-5610' **Frac CP2 sands as follows:**
 22,640# of 20/40 sand in 326 bbls of frac fluid. Treated @ avg rate of 20 bpm w/avg press of 4300 psi. ISIP: 2250 psi. Flushed to perfs.

9/02/88 Convert to Injector.

PERFORATION RECORD

Date	Depth Range	Holes
11/27/81	6251'-6258'	07 holes
11/27/81	6227'-6235'	08 holes
12/04/81	4996'-5000'	05 holes
12/04/81	5010'-5018'	09 holes
12/04/81	5208'-5214'	07 holes
12/04/81	5324'-5330'	07 holes
02/27/85	5551', 5556', 5558', 5564', 5566', 5568', 5574', 5602', 5604', 5606', 5608', 5610'	12 holes



Inland Resources Inc.

Monument Butte Federal #2-35-8-16

2090 FSL & 660 FEL

NESE Section 35-T8S-R16E

Duchesne Co, Utah

API #43-013-30606; Lease #U-16535

SN @ 4914'
 PBD @ 6387'
 TD @ 6455'

Monument Butte Fed. #10-35-8-16

Spud Date: 8/29/1983
 Put on Production: 10/4/1983
 GL: 5534' KB: 5545'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 DEPTH LANDED: 298'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 sxs Class "G" cmt. to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 DEPTH LANDED: 5739'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 150 sxs Hifill & 350 sxs Thixotropic
 CEMENT TOP AT: ? per CBL

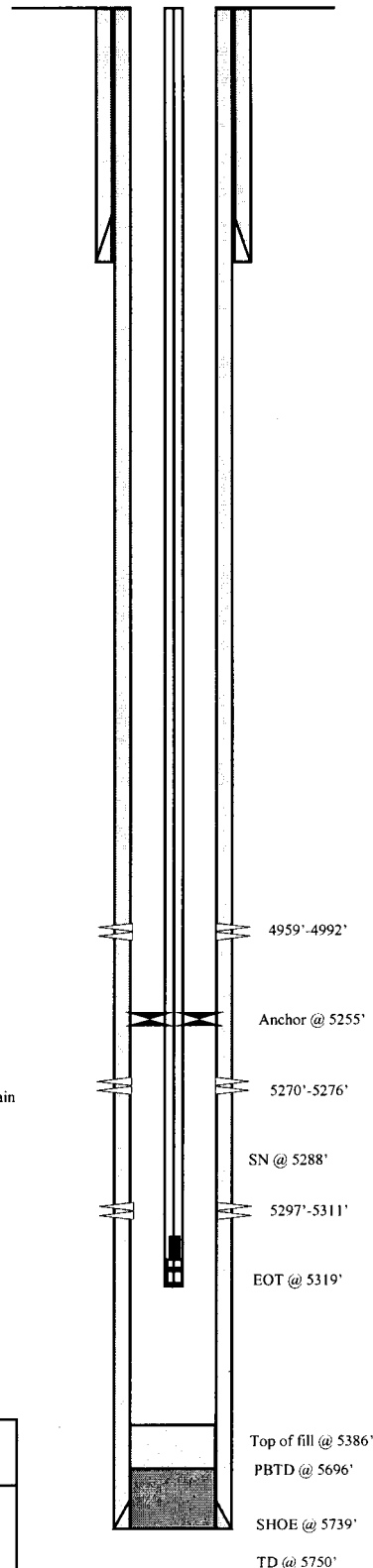
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 162 jts (5244.20')
 TUBING ANCHOR: 5255.20'
 NO. OF JOINTS: 1 jts (29.65')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5287.65' KB
 NO. OF JOINTS: 1 jts
 TOTAL STRING LENGTH: EOT @ 5318.85'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
 SUCKER RODS: 4-1 1/2" weight bars, 6-3/4" scraped rods, 95-3/4" plain rods, 105-3/4" scraped rods 1 3/4" x 2' pony rod.
 PUMP SIZE: 2-1/2" x 1-1/2" x 14 1/2" RHAC
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 6 SPM
 LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



Initial Production: 161 BOPD,
 NM MCFD, NM BWPD

FRAC JOB

9/28/83	4959'-4992'	Frac D-1 zone as follows: 164,000# 20/40 sand in 1166 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 31 BPM. ISIP 2400 psi.
2/06/91	5270'-5311'	Frac B-2 zone as follows: 51,221# 20/40 sand in 1023 bbls fluid. Treated @ avg press of 3800 psi w/avg rate of 17 BPM. ISIP 1800 psi.
1/16/02		Pump change. Update rod and tubing details.
6/30/03		Pump change. Update rod and tubing details.
1/6/04		Zone Clean Up. Update rod and tubing detail.

PERFORATION RECORD

9/28/83	4959'-4992'	4 JSPF	132 holes
2/06/91	5270'-5276'	4 JSPF	24 holes
2/06/91	5297'-5311'	4 JSPF	56 holes



Inland Resources Inc.

Monument Butte Fed. #10-35-8-16

1825' FSL & 2137' FEL
 NW/SE Section 35-T8S-R16E
 Duchesne Co, Utah
 API #43-013-30801; Lease #U-16535

Monument Butte Fed. #14-35-8-16

Spud Date: 10/26/83
Put on Production: 3/27/84
GL: 5524' KB: 5537'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 292'
HOLE SIZE: 12-1/4"
CEMENT DATA: 210 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
DEPTH LANDED: 5771'
HOLE SIZE: 7-7/8"
CEMENT DATA: 250 sxs Lodense & 275 sxs Thixotropic.
CEMENT TOP AT: 1510' per CBL

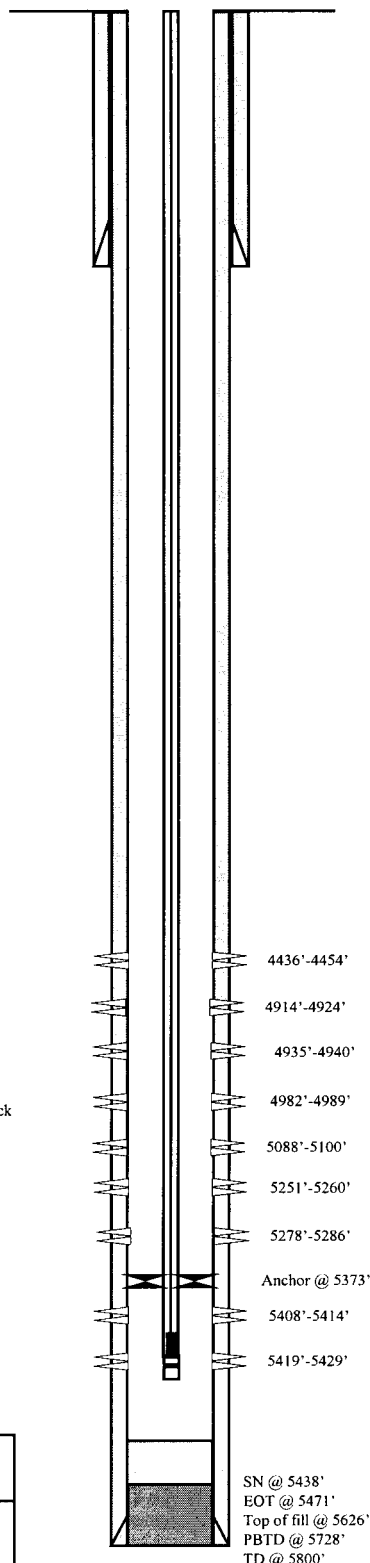
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 163 jts (5360.83')
TUBING ANCHOR: 5373.83'
NO. OF JOINTS: 2 jts (61.56')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5438.63' KB
NO. OF JOINTS: 1 jts (30.97')
TOTAL STRING LENGTH: EOT @ 5471.15'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1 1/2" weight bars; 10-3/4" scraper rods; 102-3/4" slick rods, 100-3/4" scraper rods, 1-4", 1-8" x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 72"
PUMP SPEED, SPM: 5 SPM
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



Initial Production: 43 BOPD,
70 MCFD, 0 BWPD

FRAC JOB

11/10/83	5408'-5429'	Frac A1 sand as follows: 146,440# 20/40 sand in 980 bbls frac fluid. Treated @ avg press of 2500 psi w/avg rate of 41.5 BPM. ISIP 1820 psi. Calc. flush: 5408 gal., Actual flush: 5400 gal.
3/24/84	4914'-4940'	Frac D1 sand as follows: 83,500# 20/40 sand in 619 bbls frac fluid. Treated @ avg press of 2100 psi w/avg rate of 30 BPM. ISIP 1900 psi. Calc. flush: 4914 gal., Actual flush: 4800 gal.
8/28/90	5251'-5286'	Frac B2 sand as follows: 13,000# 20/40 sand + 17,000# 16/30 sand in 642 bbls frac fluid. Treated @ avg press of 3350 psi, ISIP 1710 psi. Calc. flush: 1336 gal., Actual flush: 1335 gal.
8/30/90	5088'-5100'	Frac C-sd as follows: 34,000# 20/40 sand in 680 bbls frac fluid. Treated @ avg press of 3450 psi, ISIP 2220 psi. Calc. flush: 1284 gal., Actual flush: 1281 gal.
8/31/90	4914'-4989'	Frac D1 & D2 as follows: 24,000# 20/40 sand + 45,000# 16/30 sand in 497 bbls frac fluid. Treated @ avg press of 3400 psi, ISIP 2000 psi. Calc. flush: 1235 gal., Actual flush: 1386 gal.
5/24/01	4436'-4454'	Frac GB-6 sand as follows: 101,440# 20/40 sand in 426 bbls Viking 1-25 fluid. Treated @ avg press of 2560 psi w/avg rate of 32 BPM. ISIP 2530 psi. Calc. flush: 4436 gal., Actual flush: 4326 gal.

PERFORATION RECORD

11/09/83	5419'-5429'	1 SPF	10 holes
11/09/83	5408'-5414'	1 SPF	06 holes
3/21/84	4935'-4940'	1 SPF	11 holes
3/21/84	4914'-4924'	1 SPF	06 holes
8/25/90	5278'-5286'	4 SPF	32 holes
8/25/90	5251'-5260'	4 SPF	36 holes
8/25/90	5088'-5100'	4 SPF	48 holes
8/25/90	4982'-4989'	4 SPF	28 holes
8/25/90	4935'-4940'	4 SPF	20 holes
8/25/90	4914'-4924'	4 SPF	40 holes
5/25/01	4436'-4454'	4 SPF	72 holes



Inland Resources Inc.

Monument Butte Fed. #14-35-8-16

511' FSL & 2134' FWL

SESW Section 35-T8S-R16E

Duchesne Co, Utah

API #43-013-30812; Lease #U-16535

SN @ 5438'
EOT @ 5471'
Top of fill @ 5626'
PBTD @ 5728'
TD @ 5800'

Spud Date: 9/8/1990
 Put on Production: 10/20/1990
 Put on Injection: 8/31/91
 GL: 5498' KB: 5508'

Monument Butte Fed. #15-35-8-16

Initial Production: 124 BOPD,
 60 MCFD, 8 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. 295'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 215 sxs Class "G" cmt.

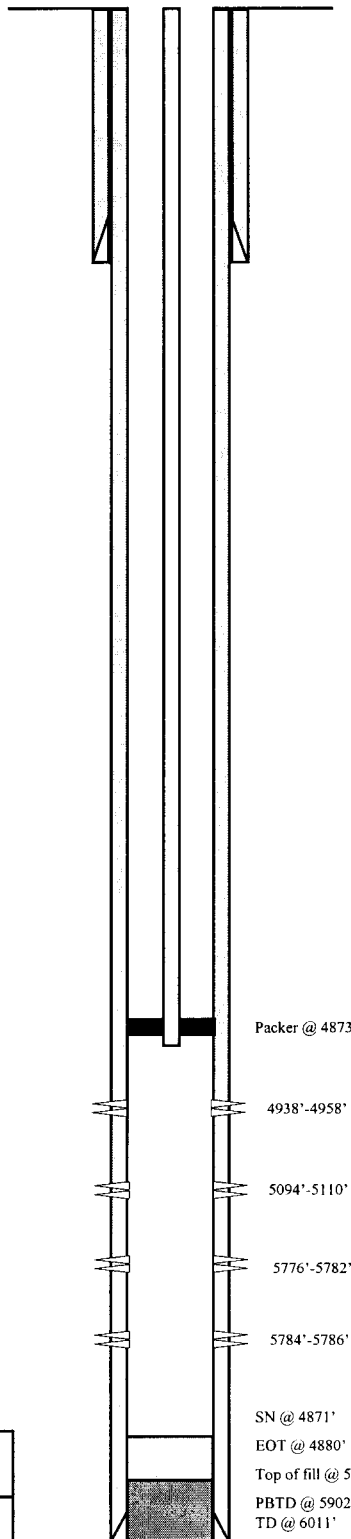
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts. 6011'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 542 sxs Pacemaker Lite & 295 sxs Class "G"
 CEMENT TOP AT: ? per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 154 jts (4855.95')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4871.95' KB
 TUBING PACKER: 4873.55'
 TOTAL STRING LENGTH: EOT @ 4880.82'

Wellbore Diagram



FRAC JOB

10/2/90	5776'-5786'	Frac CP-1 sands as follows: 32,270# 20/40 sand + 50,602# 16/30 sand in 847 bbls frac fluid. Treated @ avg press of 2200 psi w/avg rate of 40 BPM. ISIP 2000 psi. Calc. flush: 5776 gal. Actual flush: 5628 gal.
10/9/90	5101'-5109'	Frac C sands as follows: 22,950# 20/40 sand + 32,287# 16/30 sand in 608 bbls frac fluid. Treated @ avg press of 2400 psi w/avg rate of 40 BPM. ISIP 2350 psi. Calc. flush: 5101 gal. Actual flush: 4970 gal.
8/01/91	4946'-4953'	Frac D-1 sands as follows: 27,000# 16/30 sand in 275 bbls frac fluid. Treated @ avg press of 2250 psi w/avg rate of 20 BPM. ISIP 2100 psi. Calc. flush: 4946 gal. Actual flush: 4788 gal.
10/31/01		Re-perf C-sds and D-1 sands.
11/2/01		Return to injection.

PERFORATION RECORD

9/29/90	5776'-5782'	4 SPF	24 holes
9/29/90	5784'-5786'	4 SPF	08 holes
10/8/90	5101'-5109'	4 SPF	32 holes
8/01/91	4946'-4953'	4 SPF	28 holes
10/31/01	4938'-4958'	4 SPF	80 holes
10/31/01	5094'-5110'	4 SPF	64 holes



Inland Resources Inc.

Monument Butte Fed. #15-35-8-16

1092' FSL & 1934' FEL
 SWSE Section 35-T8S-R16E
 Duchesne Co, Utah
 API #43-013-31264; Lease #U-16535

Monument Butte Fed. #1-1-9-16

Spud Date: 4/30/1981
Put on Production: 8/6/1981

GL: 5387' KB: 5397'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 288.50'
HOLE SIZE: 12-1/4"
CEMENT DATA: 230 sxs Class "G" cmt.

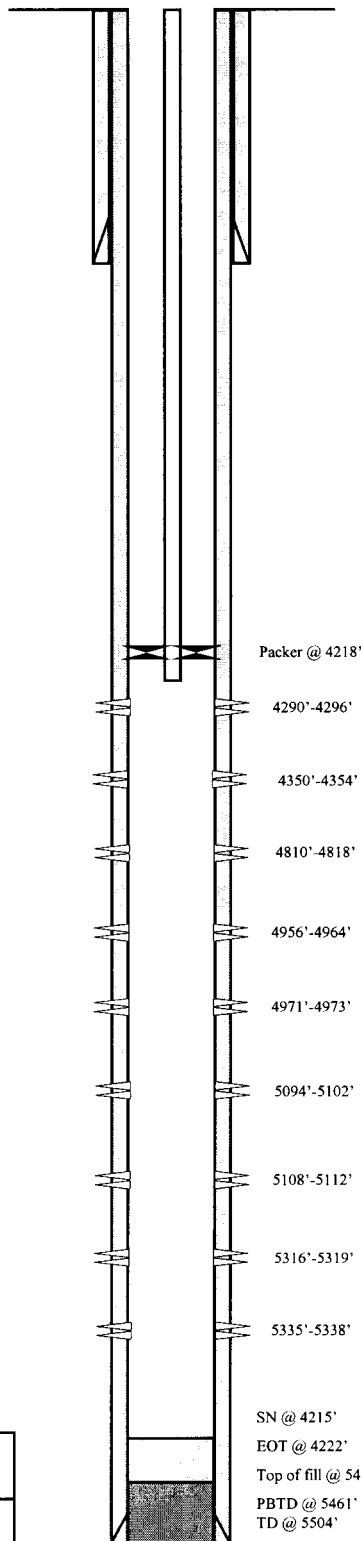
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5504'
HOLE SIZE: 7-7/8"
CEMENT DATA: 390 sk Pozmix.
CEMENT TOP AT: 2660' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts (4201.02')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4215.12' KB
TUBING PACKER: 4218.32'
TOTAL STRING LENGTH: EOT @ 4222.44'

Injection
Wellbore Diagram



Initial Production: 69 BOPD,
0 MCFD, 0 BWPD

FRAC JOB

7/12/81 5316'-5338' **Frac A3 sand as follows:**
1000 gal 15% HCl followed by 14,840# 20/40 sand in 304 bbls gelled 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 20 BPM.

7/17/81 5094'-5112' **Frac B2 sand as follows:**
3000 gal 15% HCl followed by 25,200# 20/40 sand + 9,000# 10/20 sand in 428 bbls gelled diesel. Treated @ avg press of 3150 psi w/avg rate of 20 BPM.

10/01/82 4956'-4973' **Frac zone as follows:**
10,000 gal pad followed by 85,000# 20/40 sand in 607 bbls fluid. Treated @ avg press of 2400 psi w/avg rate of 30 BPM. ISIP 2200 psi.

12/10/01 4810'-4818' Broke w/ 10 bbl, 2900 psi, ISIP 2200 psi.

12/10/01 4350'-4354' Broke w/ 10 bbl, 2400 psi, ISIP 1700 psi.

12/10/01 4290'-4296' Broke w/ 10 bbl, 1800 psi, ISIP 1750 psi.

12/11/01 Convert to injector.

PERFORATION RECORD

7/12/81	5335'-5338'	2 SPF	03 holes
7/12/81	5316'-5319'	2 SPF	03 holes
7/17/81	5108'-5112'	1 SPF	04 holes
7/17/81	5094'-5102'	1 SPF	08 holes
9/30/82	4971'-4973'	2 SPF	04 holes
9/30/82	4956'-4964'	1 SPF	09 holes
12/7/01	4810'-4818'	4 SPF	32 holes
12/7/01	4350'-4354'	4 SPF	16 holes
12/7/01	4290'-4296'	4 SPF	24 holes



Inland Resources Inc.

Monument Butte Fed. #1-1-9-16

684' FNL & 1930' FWL

NENW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-30571; Lease #UTU-72104

Monument Butte Fed. #4-1-9-16

Spud Date: 9/8/1995
Put on Production: 11/17/1995

GL: 5407' KB: 5420'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (305.57')
DEPTH LANDED: 303.87'
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Premium Cement + additives.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (5882.85')
DEPTH LANDED: 5865.57'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sxs HiFill Standard & 300 sxs Thixotropic.
CEMENT TOP AT: 280' per CBL

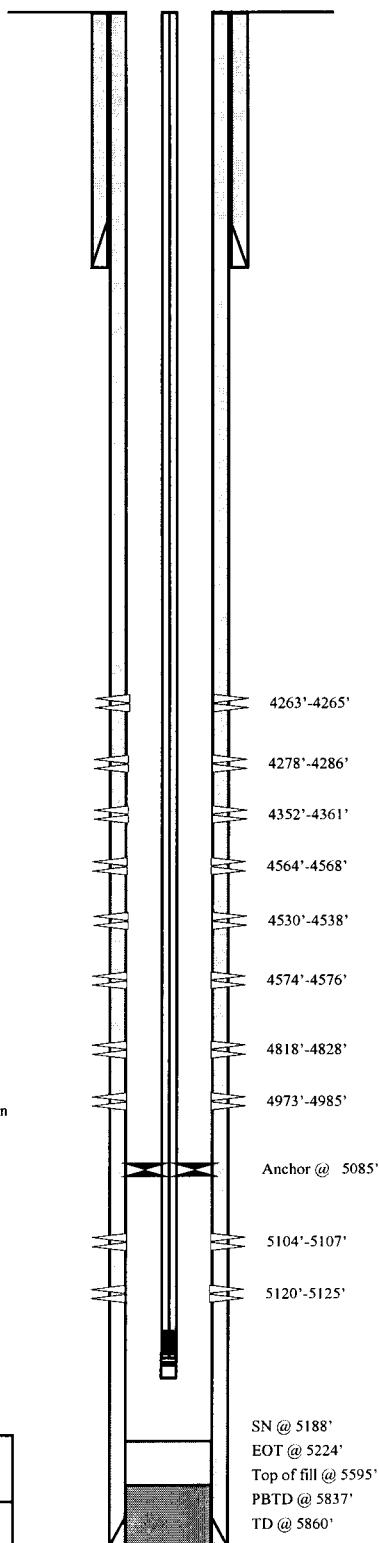
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (5072.77')
TUBING ANCHOR: 5085.77' KB
NO. OF JOINTS: 3 jts (100.32')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5188.89' KB
NO. OF JOINTS: 1 jt. (33.67')
TOTAL STRING LENGTH: EOT @ 5224.06' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6- 1 1/2" weight bars, 10-3/4" scraper rods, 93-3/4" plain rods, 98- 3/4" scraper rods, 1-4", x 3/4" pony rod.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 74"
PUMP SPEED, SPM: 3 SPM
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



Initial Production: 41 BOPD,
44 MCFD, 7 BWPD

FRAC JOB

11/11/95 4973'-4985' **Frac C sand as follows:**
38,000# 16/30 sand in 370 bbls fluid.
Treated @ avg press of 3000 psi w/avg rate of 33.5 BPM. Screened out.

11/14/95 4818'-4828' **Frac D sand as follows:**
54,900# 20/40 sand in 479 bbls Boragel fluid. Treated @ avg press of 2150 psi w/avg rate of 28.6 BPM. ISIP 2176 psi. Flowed for 5 hrs then died.

6/20/02 5104'-5125' **Frac B2 sand as follows:**
26,500# 20/40 sand in 290 bbls Viking I-25 frac fluid. Treated @ avg press of 3580 psi w/avg rate of 15.7 BPM. ISIP 2150 psi. Calc. Flush: 1280 gal. Actual flush: 1176 gal.

6/20/02 4530'-4576' **Frac PB10, 11 sands as follows:**
31,743# 20/40 sand in 363 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2520 psi. Calc. Flush: 4564 gal. Actual flush: 4410 gal.

6/21/02 4263'-4361' **Frac GB4, 6 sands as follows:**
51,877# 20/40 sand in 441 bbls Viking I-25 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25.7 BPM. ISIP 2300 psi. Calc. Flush: 4263 gal. Actual flush: 4158 gal.

PERFORATION RECORD

Date	Depth Range	Tool	Holes
11/10/95	4973'-4985'	4 JSPF	52 holes
11/14/95	4818'-4828'	4 JSPF	44 holes
6/19/02	5120'-5125'	4 JSPF	20 holes
6/19/02	5104'-5107'	4 JSPF	12 holes
6/19/02	4574'-4576'	4 JSPF	08 holes
6/19/02	4530'-4538'	4 JSPF	32 holes
6/19/02	4564'-4568'	4 JSPF	16 holes
6/20/02	4352'-4361'	4 JSPF	36 holes
6/20/02	4278'-4286'	4 JSPF	32 holes
6/20/02	4263'-4265'	4 JSPF	08 holes



Inland Resources Inc.

Monument Butte Fed. #4-1-9-16

799' FNL & 608' FWL

NWNW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-31545; Lease #U-72103

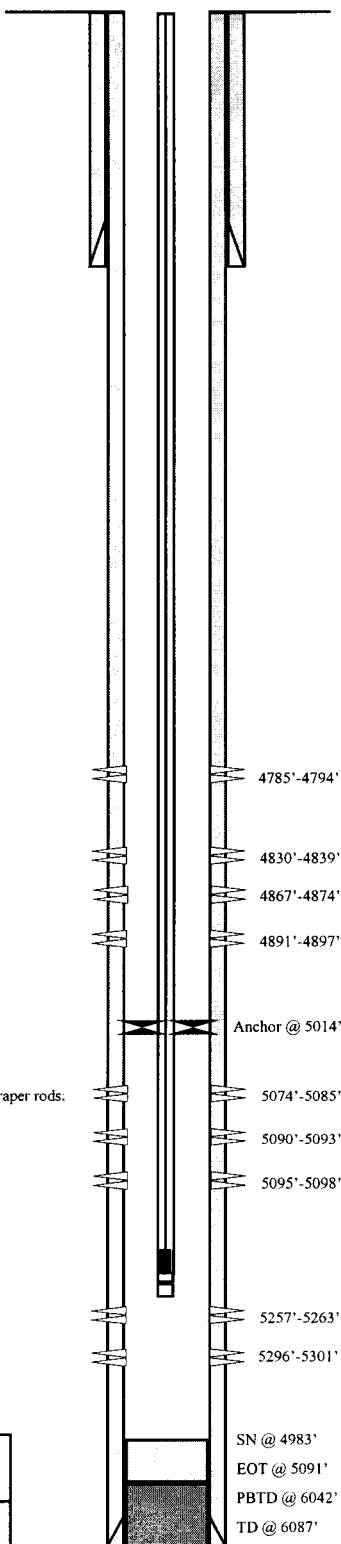
Monument Butte Fed. 5-1-9-16

Initial Production: 135 BOPD, 120 MCFD
55 BWPDSpud Date: 7/24/95
Put on Production: 11/20/95
GL: 5428' KB: 5441'

Wellbore Diagram

SURFACE CASINGCSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH:
DEPTH LANDED: 300'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sx Premium 250PRODUCTION CASINGCSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts (6087')
SET AT: 6076'
HOLE SIZE: 7-7/8"
CEMENT DATA: 255 sx HiFill & 325 sx Premium
CEMENT TOP AT:TUBINGSIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS:
TUBING ANCHOR: 5014' KB
SEATING NIPPLE: 2-7/8"
SN LANDED AT: 4983' KB
TOTAL STRING LENGTH: EOT @ 5091' KBSUCKER RODSPOLISHED ROD: 1-1/2"x22'
SUCKER RODS: 98- 3/4" scraper rods, 93-3/4" slick rods, 4- 3/4" scraper rods,
4- 1 1/2" sinker bars
PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS:FRAC JOB

11/11/95	5257'-5301'	86,800# 20/40 sand in 652 bbls frac fluid. Avg TP 2000 psi w/avg rate of 37.5 BPM. ISIP-2040 psi. Calc flush: 5257 gal. Act flush: 5213 gal.
11/14/95	5257'-5301'	89,500# 20/40 sand in 590 bbls frac fluid. Avg TP 1800 psi w/avg rate of 35 BPM. ISIP-2036 psi. Calc flush: 5074 gal. Act flush: 5031 gal.
11/16/95	5257'-5301'	110,000# 20/40 sand in 774 bbls frac fluid. Avg TP 1647 psi w/avg rate of 36 BPM. ISIP-2400 psi. Calc flush: 4785 gal. Act flush: 4721 gal.

PERFORATION RECORD

11/10/95	5257'-5295'	4 JSPF	24 holes
11/10/95	5296'-5301'	4 JSPF	20 holes
11/12/95	5074'-5085'	4 JSPF	44 holes
11/12/95	5090'-5093'	4 JSPF	12 holes
11/12/95	5095'-5098'	4 JSPF	12 holes
11/15/95	4785'-4794'	4 JSPF	36 holes
11/15/95	4830'-4839'	4 JSPF	36 holes
11/15/95	4867'-4874'	4 JSPF	28 holes
11/15/95	4891'-4897'	4 JSPF	24 holes



Inland Resources Inc.

Monument Butte Fed. 5-1-9-16

1982 FNL & 662 FWL

SWNW Section 1-T9S-R16E

Duchesne Co, Utah

API #43-013-31507; Lease #U-72103

SN @ 4983'
EOT @ 5091'
PBSD @ 6042'
TD @ 6087'

Monument Butte #2-2-9-16

Spud Date: 08/28/2002
Put on Production: 01/21/2003

GL: 5475' KB: 5487'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (290.39')
DEPTH LANDED: 298.39' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 145 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (6109.91')
DEPTH LANDED: 6107.91' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.
CEMENT TOP AT: 216'

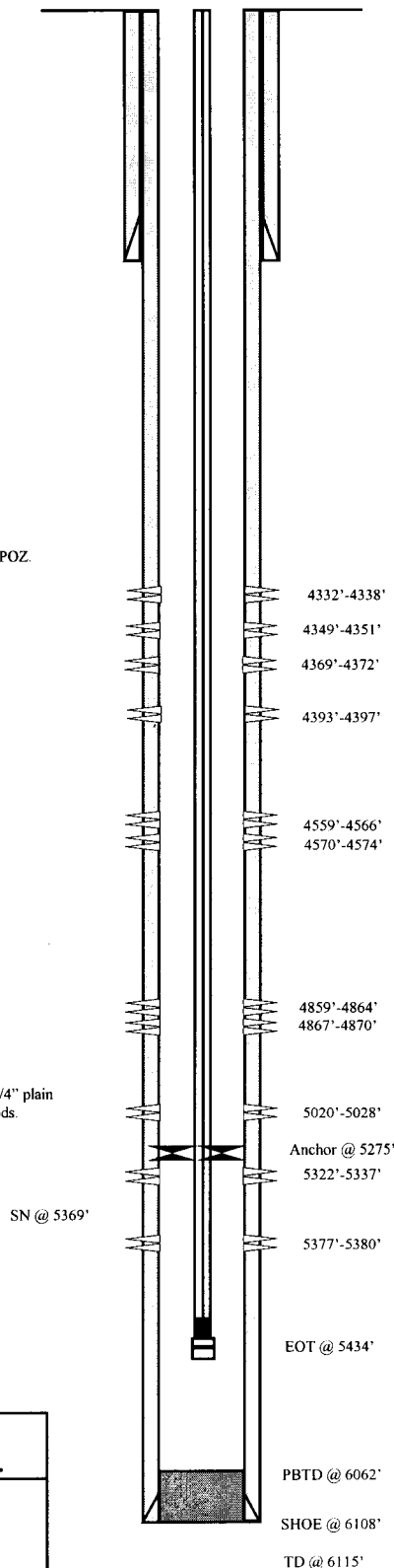
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 169 jts (5262.75')
TUBING ANCHOR: 5274.75' KB
NO. OF JOINTS: 3 jts (91.68')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5369.23' KB
NO. OF JOINTS: 2 jt (63.06')
TOTAL STRING LENGTH: EOT @ 5433.84'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6 1-1/2" weight bars, 10-3/4" scraped rods, 98-3/4" plain rods, 99-3/4" scraped rods, 1-4"x3/4" pony rods, 1-2"x3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC
STROKE LENGTH: 84"
PUMP SPEED, SPM: 4 SPM
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram

FRAC JOB

1/16/03 5322'-5380' **Frac A1 & A3 sands as follows:**
88,884# 20/40 sand in 650 bbls Viking I-25 fluid. Treated @ avg press of 2243 psi w/avg rate of 24.5 BPM. ISIP- 2230 psi. Calc. Flush: 5322 gal. Actual Flush: 5250 gal.

1/16/03 4859'-5028' **Frac D1 & C sands as follows:**
68,788# 20/40 sand in 540 bbls Viking I-25 fluid. Treated @ avg press of 2134 psi w/avg rate of 26.4 BPM. ISIP- 2200 psi. Calc flush: 4859 gal. Actual flush: 4767 gal.

1/16/03 4332'-4574' **Frac PB10, GB6 & GB4 sands as follows:**
65,544# 20/40 sand in 519 bbls Viking I-25 fluid. Treated @ avg press of 2094 psi w/avg rate of 24.6 BPM. ISIP 2390 psi. Calc flush: 4332 gal. Actual flush: 4242 gal.

PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
1/15/03	5322'-5337'	2 JSPF	30 holes
1/15/03	5377'-5380'	4 JSPF	12 holes
1/16/03	4859'-4864'	4 JSPF	20 holes
1/16/03	4867'-4870'	4 JSPF	12 holes
1/16/03	5020'-5028'	4 JSPF	32 holes
1/16/03	4332'-4338'	4 JSPF	24 holes
1/16/03	4349'-4351'	4 JSPF	8 holes
1/16/03	4369'-4372'	4 JSPF	12 holes
1/16/03	4393'-4397'	4 JSPF	16 holes
1/16/03	4559'-4566'	4 JSPF	28 holes
1/16/03	4570'-4574'	4 JSPF	16 holes



Inland Resources Inc.

Monument Butte

660' FNL & 1980' FEL

NWNE Section 02-T9S-R16E

Duchesne Co, Utah

API #43-013-32314; Lease #ML-21839

Monument Butte St. #3-2-9-16

Spud Date: 11/25/82
 Put on Production: 1/12/83
 GL: 5519' KB:

Initial Production: 23 BOPD,
 23 MCFD, 3 BWPD

SURFACE CASING

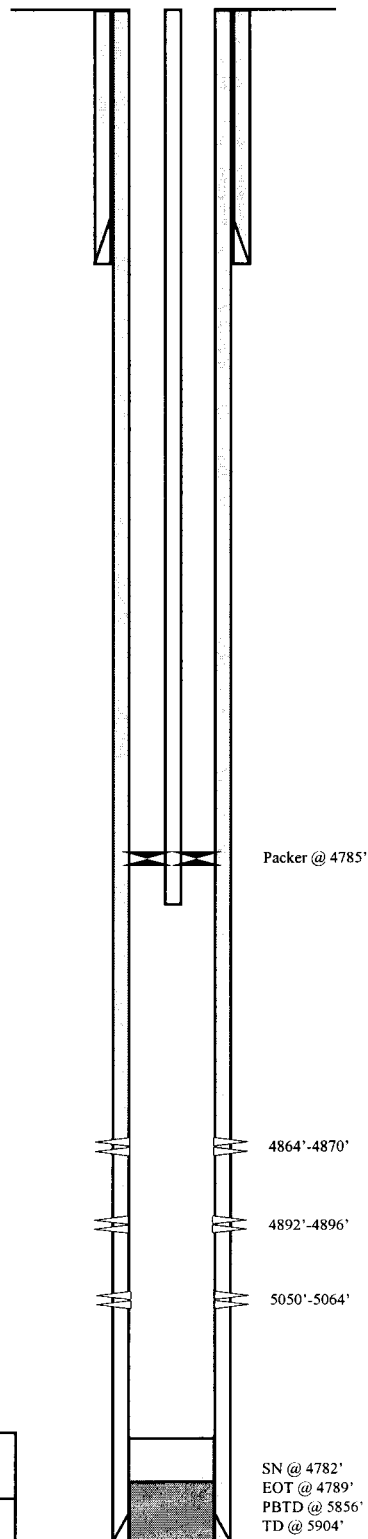
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (286')
 DEPTH LANDED: 283' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 sxs Class "G" cmt. Returns to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17# & 15.5#
 LENGTH: 131 jts. 17# & 16 jts. of 15.5#
 DEPTH LANDED: 5898'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 380 sxs Class "G" cement
 CEMENT TOP AT: 3208' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 146 jts (4767.28')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4782.38' KB
 TUBING PACKER: 4785.58'
 TOTAL STRING LENGTH: EOT @ 4789.70'

Injection Wellbore
DiagramFRAC JOB

12/19/82 5050'-5064' **Frac as follows:**
 56,000# 20/40 sand in 345 frac fluid.
 Screened out.
 1/11/92 4864'-4896' **Frac as follows:**
 29,800# 16/30 sand in 261 bbls gelled
 diesel. Screened out with approx. 26,000# into
 formation.

PERFORATION RECORD

Date	Interval	JSPPF	Holes
12/18/82	5050'-5064'	1 JSPPF	14 holes
01/08/92	4864'-4870'	4 JSPPF	28 holes
01/08/92	4892'-4896'	4 JSPPF	20 holes



Inland Resources Inc.

Monument Butte St. #3-2-9-16

658' FNL & 2120' FWL

NENW Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-30627; Lease #ML-21839

Monument Butte St. #8-2-9-16

Spud Date: 10/06/95
Put on Production: 12/02/95

GL: 5447' KB: 5461'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
DEPTH LANDED: 302'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Class "G" cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
DEPTH LANDED: 5891'
HOLE SIZE: 7-7/8"
CEMENT DATA: 225 sxs Hifill & 210 sxs premium Plus.
CEMENT TOP AT: ? per CBL

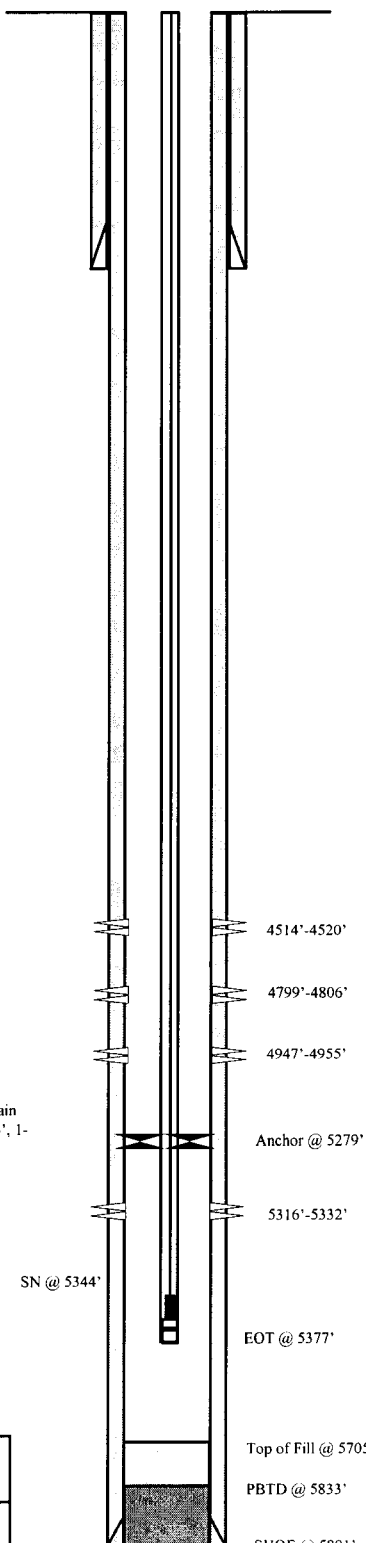
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 165 jts (5265.86')
TUBING ANCHOR: 5278.86' KB
NO. OF JOINTS: 2 jts (62.34')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5344' KB
NO. OF JOINTS: 1 jts (31.75')
TOTAL STRING LENGTH: EOT @ 5377.30' W/13'KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 6-1 1/2" weight bars; 10-3/4" scraped rods; 82-3/4" plain rods; 8-3/4" scraped rods; 14-3/4" plain rods; 92-3/4" scraped rods; 1-4", 1-8" x 3/4" pony rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 72"
PUMP SPEED, SPM: 4.5 SPM
LOGS: DIGL/SP/GR/CAL

Wellbore Diagram



Initial Production: 149 BOPD,
105 MCFD, 2 BWPD

FRAC JOB

11/22/95	5316'-5332'	Frac A3 sand as follows: 70,700# 20/40 sand in 537 bbls Boragel. Treated @ avg press of 2400 psi w/avg rate of 31.5 BPM. ISIP 2280 psi. Calc. flush: 5316 gal. Actual flush: 5233 gal.
11/25/95	4947'-4955'	Frac C-sd sand as follows: 47,000# 20/40 sand in 443 bbls Boragel. Treated @ avg press of 2200 psi w/avg rate of 27 BPM. ISIP 2130 psi. Calc. flush: 4947 gal. Actual flush: 4858 gal.
11/28/95	4799'-4806'	Frac D1 sand as follows: 48,200# 16/30 sand in 446 bbls Boragel. Treated @ avg press of 2200 psi w/avg rate of 25 BPM. ISIP 2255 psi. Calc. flush: 4799 gal. Actual flush: 4748 gal.
11/01/99		Tubing leak. Update rod and tubing details.
7/09/02	4514'-4520'	Frac PB10 sand as follows: 36,336# 20/40 sand in 347 bbls Viking 1-25 fluid. Treated @ avg press of 2225 psi w/avg rate of 25.5 BPM. ISIP 2340 psi. Calc. flush: 4514 gal. Actual flush: 4410 gal.
8/5/03		Pump Change. Update tubing and rod details.

PERFORATION RECORD

11/22/95	5316'-5332'	4 JSPF	64 holes
11/25/95	4947'-4955'	4 JSPF	32 holes
11/28/95	4799'-4806'	4 JSPF	28 holes
7/09/02	4514'-4520'	4 JSPF	24 holes



Inland Resources Inc.

Monument Butte St. #8-2-9-16

2078' FNL & 463' FEL

SENE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31509; Lease #ML-21839

Monument Butte St. #1-2-9-16

Spud Date: 8/25/81
Put on Production: 11/6/81
GL: 5457' KB: 5469'

SURFACE CASING

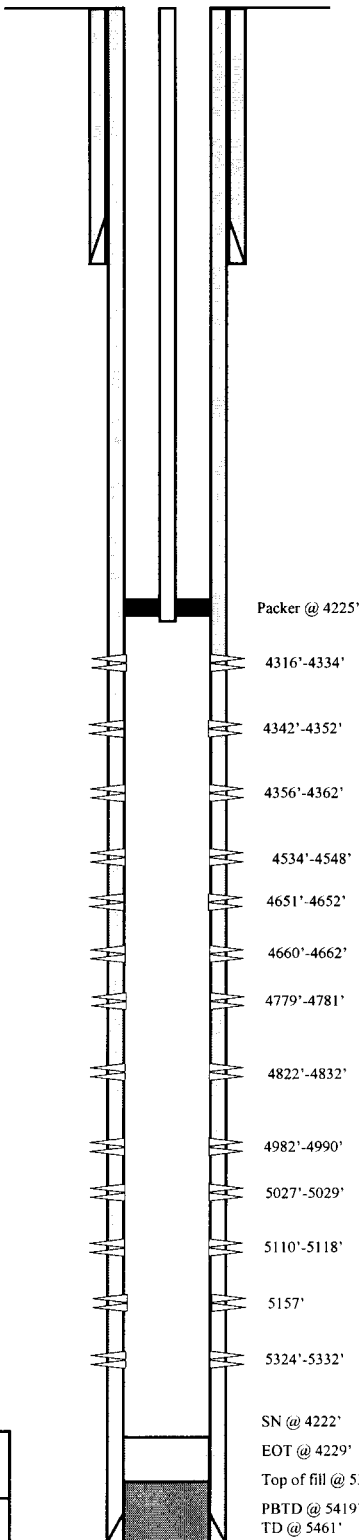
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (295')
HOLE SIZE: 12-1/4"
CEMENT DATA: 180 sxs Class "G" cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 14# & 15.5#
LENGTH: 131 jts. (5488') 1013' of 15.5# & 4448' of 14#
DEPTH LANDED: 5461'
HOLE SIZE: 7-7/8"
CEMENT DATA: 685 sxs Class "G" cement
CEMENT TOP AT: 3,290' per CBL.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts. (4209.33')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4222.43' KB
TUBING PACKER: 4225.63'
TOTAL STRING LENGTH: EOT @ 4229.75'

Injection
Wellbore Diagram

Initial Production: 75 BOPD,
0 MCFD, 20 BWPD

FRAC JOB

9/29/81	4651'-5328'	Frac A,B,C,D sands as follows: 35,000# 20/40 sand + 11,500 # 10/20 sand in 440 bbls gelled diesel. Treated @ avg press of 4300 psi w/avg rate of 21 BPM. ISIP 2450. Flush to top perf.
10/6/81	4534'-4544'	Frac PB-10 sand as follows: 29,000# 20/40 sand in 286 bbls gelled diesel. Treated @ avg press of 3200 psi w/avg rate of 12 BPM. ISIP 2600.
2/02/85	4317'-4350'	Frac zone as follows: 118,000# 20/40 sand in 785 bbls gelled frac fluid.
12/14/01		Convert to injector.

PERFORATION RECORD

9/29/81	5328, 5326, 5157, 5116, 5114, 5113, 5029, 5027, 4988, 4987, 4986, 4826, 4825, 4824, 4781, 4779, 4662, 4661, 4660, 4652, 4651' 1 SPF	20 holes
10/4/81	4534'-4544'	2 SPF 24 holes
2/21/85	4342'-4350'	05 holes
2/21/85	4317'-4334'	10 holes
12/13/01	5324'-5332'	4 SPF 32 holes
12/13/01	5110'-5118'	4 SPF 32 holes
12/13/01	4982'-4990'	4 SPF 48 holes
12/13/01	4822'-4832'	4 SPF 40 holes
12/13/01	4534'-4548'	4 SPF 56 holes
12/13/01	4356'-4362'	4 SPF 36 holes
12/13/01	4342'-4352'	4 SPF 40 holes
12/13/01	4316'-4334'	4 SPF 32 holes



Inland Resources Inc.

Monument Butte St. #1-2-9-16

1605' FNL & 1908' FEL

SWNE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-30596; Lease #U-21839

Monument Butte State 9-2

Spud Date: 4/28/96

P
ut on Production: 5/31/96GL: 5492' KB: 5505'
SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 294.70'

DEPTH LANDED: 292.75'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 131 jts. (5618.99')

DEPTH LANDED: 5608'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Hyfill mixed & 265 sxs thixotropic

CEMENT TOP AT: Surface per CBL

TUBING

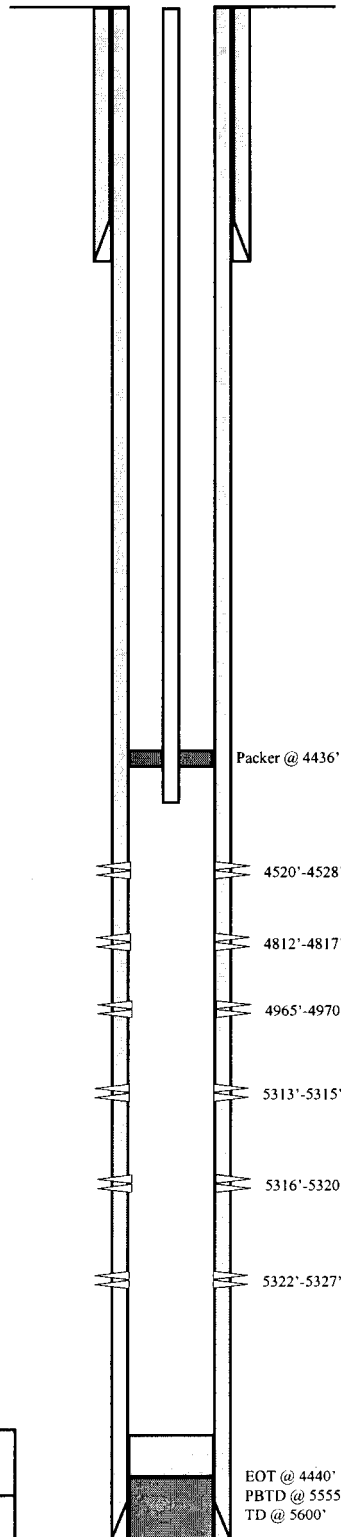
SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 142 jts. (4418.88')

SN LANDED AT: 4431.88'

TUBING PACKER: 4436'

TOTAL STRING LENGTH: 4440.30'

Injection Wellbore
DiagramInitial Production: 103 BOPD,
385 MCFPD, 3 BWPDFRAC JOB

5/20/96	5313'-5327'	Frac A-3 sand as follows: 73,000# of 20/40 sd in 445 bbls Boragel, broken down @ 3650 psi. Treated @ avg rate 20.3 bpm, avg press 1850 psi. ISIP-2042 psi, 5-min SI 1978 psi. Flowback after 5 min on 16/64" ck @ 1.6 bpm.
5/22/96	4812'-4970'	Frac C and D-1 zones as follows: 103,800# of 20/40 sd in 545 bbls Boragel. Breakdown @ 2690# treated @ avg rate of 30.5, avg press 2200#. ISIP-2121 psi, 5-min 2052 psi. Flowback after 5 min on 16/64" ck @ 1.6 bpm.
5/24/96	4520'-4528'	Frac PB-10 zone as follows: 78,800# of 20/40 sd in 431 bbls Boragel. Breakdown @ 3051# treated @ avg rate of 16.5 bpm, avg press 2200#. ISIP-3090 psi, 5-min SI 3046 psi. Flowback on 16/64" ck.
11/12/01		Convert to injector.
11/13/01		Perform MIT.

PERFORATION RECORD

5/18/96	5313'-5315'	4 JSPF	8 holes
5/18/96	5316'-5320'	4 JSPF	16 holes
5/18/96	5322'-5327'	4 JSPF	20 holes
5/21/96	4965'-4970'	2 JSPF	10 holes
5/21/96	4812'-4817'	2 JSPF	10 holes
5/23/96	4520'-4528'	4 JSPF	32 holes



Inland Resources Inc.

Monument Butte State 9-2

2058 FSL & 713 FEL

NESE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-31555; Lease #ML-21839

EOT @ 4440'
PBD @ 5555'
TD @ 5600'

Attachment F
page 1 of 4

Analytical
Laboratory Report
for:
Inland
Production



Chemical Services

Account Representative: Rick Crosby

Production Water Analysis

Listed below please find water analysis report from: Mon Butte, 1A-2-9-16

Lab Test No: 2004400006 Sample Date: 01/07/2004
Specific Gravity: 1.013
TDS: 18594
pH: 8.20

Cations:	mg/L	as:
Calcium	200	(Ca ⁺⁺)
Magnesium	0.00	(Mg ⁺⁺)
Sodium	6969	(Na ⁺)
Iron	15.00	(Fe ⁺⁺)
Manganese	0.00	(Mn ⁺⁺)
Anions:	mg/L	as:
Bicarbonate	610	(HCO ₃ ⁻)
Sulfate	200	(SO ₄ ⁻)
Chloride	10600	(Cl ⁻)
Gases:		
Carbon Dioxide		(CO ₂)
Hydrogen Sulfide	0	(H ₂ S)

Page 2 of 4

Inland Production

Lab Test No: 2004400006



DownHole SAT™ Scale Prediction
@ 120 deg. F

Mineral Scale	Saturation Index	Momentary Excess (lbs/1000 bbls)
Calcite (CaCO ₃)	22.41	7.24
Aragonite (CaCO ₃)	18.75	7.17
Witherite (BaCO ₃)	0	-8.53
Strontianite (SrCO ₃)	0	-2.44
Magnesite (MgCO ₃)	0	-4.55
Anhydrite (CaSO ₄)	.0321	-580.52
Gypsum (CaSO ₄ *2H ₂ O)	.0309	-663.36
Barite (BaSO ₄)	0	-.316
Celestite (SrSO ₄)	0	-125.04
Silica (SiO ₂)	0	-71.09
Brucite (Mg(OH) ₂)	0	-4.72
Magnesium silicate	0	-236.43
Siderite (FeCO ₃)	1372	3.48
Halite (NaCl)	< 0.001	-187374
Thenardite (Na ₂ SO ₄)	< 0.001	-56553
Iron sulfide (FeS)	0	-.0015

Interpretation of DHSat Results:

The Saturation Index is calculated for each mineral species independently and is a measure of the degree of supersaturation (driving force for precipitation) under the conditions modeled. This value ranges from 0 to infinity with 1.0 representing a condition of equilibrium where scale will neither dissolve nor precipitate. Values less than 1.0 are undersaturated and values greater than 1.0 are supersaturated. The scale is logarithmic, i.e., a Saturation Index of 3 is 10 times more saturated than a value of 2.

The Momentary excess is a measure of how much scale would have to precipitate to bring the system back to a non-scaling condition. This value ranges from negative (dissolving) infinity to positive (precipitating) infinity. The Momentary Excess represents the amount of scale possible while the Saturation Level represents the probability that scale will form.

DownHole SAT(tm)

MIXED WATER DEPOSITION POTENTIAL INDICATORS

page 3 of 4

1) Johnson Water

2) MB 1A-2-9-16

Report Date: 01-08-2004

SATURATION LEVEL

Calcite (CaCO3)	15.51
Aragonite (CaCO3)	12.97
Anhydrite (CaSO4)	0.0221
Gypsum (CaSO4*2H2O)	0.0214
Barite (BaSO4)	0.00
Hydroxyapatite	0.00
Iron hydroxide (Fe(OH)3)	22848
Siderite (FeCO3)	1875
Iron sulfide (FeS)	0.00

MOMENTARY EXCESS (Lbs/1000 Barrels)

Calcite (CaCO3)	4.95
Aragonite (CaCO3)	4.88
Witherite (BaCO3)	-7.13
Strontianite (SrCO3)	-2.10
Anhydrite (CaSO4)	-484.96
Gypsum (CaSO4*2H2O)	-555.29
Barite (BaSO4)	-0.282
Hydroxyapatite	-308.97
Iron hydroxide (Fe(OH)3)	< 0.001
Siderite (FeCO3)	4.44
Iron sulfide (FeS)	-0.00192

SIMPLE INDICES

Langelier	1.35
Stiff Davis Index	1.41

BOUND IONS

	TOTAL	FREE
Calcium	140.18	114.31
Barium	0.00	0.00
Carbonate	42.30	9.14
Phosphate	0.00	0.00
Sulfate	132.50	110.63

OPERATING CONDITIONS

Temperature (°F)	120.00
Time (mins)	3.00

UNICHEM - Corporate Office

14505 Torrey Chase Boulevard, Houston, Texas 77014

Analytical Laboratory Report for:

Inland Production



BJ Unichem
Chemical Services

UNICHEM Representative: Rick Crosby

Production Water Analysis

Listed below please find water analysis report from: JW, P\ S #2

Lab Test No: 2002403193

Sample Date:

10/14/2002

Specific Gravity: 1.002

TDS: 554

pH: 7.50

Cations:	mg/L	as:
Calcium	64	(Ca ⁺⁺)
Magnesium	39	(Mg ⁺⁺)
Sodium	46	(Na ⁺)
Iron	0.20	(Fe ⁺⁺)
Manganese	0.00	(Mn ⁺⁺)
Anions:	mg/L	as:
Bicarbonate	244	(HCO ₃ ⁻)
Sulfate	90	(SO ₄ ⁻)
Chloride	71	(Cl ⁻)
Gases:		
Carbon Dioxide		(CO ₂)
Hydrogen Sulfide	0	(H ₂ S)

Attachment "G"

Monument Butte #1A-2-9-16
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5661	5811	5736	1920	0.77	1908
5284	5371	5328	1850	0.78	1839
4828	4996	4912	2090	0.87	2080
4288	4637	4463	1980	0.89	1971
				Minimum	<u>1839</u>

Calculation of Maximum Surface Injection Pressure

$P_{max} = (Frac\ Grad - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

$Frac\ Gradient = (ISIP + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



Attachment G-1
page 1 of 4

DAILY COMPLETION REPORT

WELL NAME: Monument Butte 1a-2-9-16

Report Date: Sept. 19, 2002

Completion Day: 2a

Present Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 301' Prod Csg: 5 1/2 Wt: 15.5# @ 6068' Csg PBTD: 6049'
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 6010'WL

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			Cp 0.5	5661-5668'	4/28
			Cp 2	5703-5715'	4/48
			Cp 2	5750-5754'	4/16
			Cp 3	5804-5811'	4/28

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Sep-02

SITP: SICP: 1920

Day 2a

Rig up BJ frac service and hydraulically fracture the CP zone's highlighted above. The zone's broke down @ 3830 psi. Pumped 110 bbls Viking 1-25 pad. Then 60,000 #'s of 20/40 white mesh sand in 260 bbls of Viking 1-25 fluid. Then flushed with 132.5 bbls of slick water. Treated @ average rate of 25.6 bpm. Average pressure of 1475 psi. With a ISDP of 1920 psi. FG of .76 Shut well in and rig up PSI for Stage 2.
Water loss for stage 1 is 503 bbls. Total water loss is 647 bbls.

See Day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 144 Starting oil rec to date: 0
Fluid lost/recovered today: 503 Oil lost/recovered today:
Ending fluid to be recovered: 647 Cum oil recovered: 0
IFL: Srfc FFL: srfc FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking 1-25 Job Type: Sand Frac

Company: B. J. Service

Procedure or Equipment detail: CP sands

4600 gals of pad

3000 gals W/ 1-5 ppg of 20/40 sand

6000 gals W/ 5-8 ppg of 20/40 sand

1500 gals W/ 8 ppg of 20/40 sand

Flush W/5565 gals of slick water

COSTS

Wheatherford Bop \$130

IPC fuel gas \$100

IPC supervision \$50

lpc water \$55

BJ CP sands \$18,432

Max TP: 3830 Max Rate: 25.9 Total fluid pmpd: 503

Avg TP: 1475 Avg Rate: 25.7 Total Prop pmpd: 60,000 #'s

ISIP: 1920 5 min: 10 min: FG: .76

Completion Supervisor: Pat Wisener

DAILY COST: \$18,767

TOTAL WELL COST: \$203,611



DAILY COMPLETION REPORT

WELL NAME: Monument Butte 1a-2-9-16Report Date: Sept. 19, 2002Completion Day: 2bPresent Operation: CompletionRig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 301' Prod Csg: 5 1/2 Wt: 15.5# @ 6068' Csg PBTD: 6049'
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 6010'WL
Composite @ 5425'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A 1	5284-5288'	4/16
			A 3	5354-5360'	4/24
			A 3	5367-5371'	4/16
			Cp 0.5	5661-5668'	4/28
			Cp 2	5703-5715'	4/48
			Cp 2	5750-5754'	4/16
			Cp 3	5804-5811'	4/28

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Sep-02SITP: SICP: 2080

Day 2b

Rig up PSI logging and set a composite plug @ 5425' under pressure. Then perforate the A zone's highlighted above. 14' of zone & 56 total hole's. Rig up BJ frac service and hydraulically fracture the A zone's highlighted above. The zone's broke down @ 4,000 psi. Pumped 110 bbls Viking 1-25 pad. Then 60,000 #'s of 20/40 white mesh sand in 258 bbls of Viking 1-25 fluid. Then flushed with 124 bbls of slick water. Treated @ average rate of 25.7 bpm. Average pressure of 1850 psi. With a ISDP of 2080 psi. And a FG of .82. Shut well in and rig up PSI for Stage 3.

Water loss for stage 2 is 492 bbls. Total water loss is 1139 bbls.

See Day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 647 Starting oil rec to date: 0
Fluid lost/recovered today: 492 Oil lost/recovered today:
Ending fluid to be recovered: 1139 Cum oil recovered: 0
IFL: Srfc FFL: srfc FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking 1-25 Job Type: Sand FracCompany: B. J. ServiceProcedure or Equipment detail: A sands4600 gals of pad3000 gals W/ 1-5 ppg of 20/40 sand6000 gals W/ 5-8 ppg of 20/40 sand1500 gals W/ 8 ppg of 20/40 sandFlush W/5208 gals of slick water

COSTS

Wheatherford Bop IPC fuel gas \$100IPC supervision \$50lpc water \$55BJ A sands \$10,923Max TP: 4000 Max Rate: 25.8 Total fluid pmpd: 492Avg TP: 1850 Avg Rate: 25.7 Total Prop pmpd: 60,000 #'sISIP: 2080 5 min: 10 min: FG: .82Completion Supervisor: Pat WisenerDAILY COST: \$11,128TOTAL WELL COST: \$214,739



DAILY COMPLETION REPORT

WELL NAME: Monument Butte 1a-2-9-16Report Date: Sept. 19, 2002Completion Day: 2cPresent Operation: CompletionRig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 301' Prod Csg: 5 1/2 Wt: 15.5# @ 6068' Csg PBTD: 6049'
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 6010'WL
Composite @ 5425'
Composite @ 5030'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A 1	5284-5288'	4/16
			A 3	5354-5360'	4/24
			A 3	5367-5371'	4/16
D 1	4828-4837'	4/36	Cp 0.5	5661-5668'	4/28
D 2	4874-4879'	4/20	Cp 2	5703-5715'	4/48
D 3	4906-4910'	4/16	Cp 2	5750-5754'	4/16
C -sd	4988-4996'	4/32	Cp 3	5804-5811'	4/28

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Sep-02SITP: SICP: 2090

Day 2c

Rig up PSI logging and set a composite plug @ 5030' under pressure. Then perforate the D & C zone's highlighted above. 26' of zone & 104 total hole's. Rig up BJ frac service and hydraulically fracture the D & C zone's highlighted above. The zone's broke down @ 2,588 psi. Pumped 136 bbls Viking 1-25 pad. Then 75,000 #'s of 20/40 white mesh sand in 337 bbls of Viking 1-25 fluid. Then flushed with 113 bbls of slick water. Treated @ average rate of 25.9 bpm. Average pressure of 1835 psi. With a ISDP of 2090 psi. And a FG of .85 Shut well in and rig up PSI for Stage 4.

Water loss for stage 3 is 586 bbls. Total water loss is 1725 bbls.

See Day 2d

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1139 Starting oil rec to date: 0
Fluid lost/recovered today: 586 Oil lost/recovered today:
Ending fluid to be recovered: 1725 Cum oil recovered: 0
IFL: Srfc FFL: srfc FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Viking 1-25 Job Type: Sand FracCompany: B. J. ServiceProcedure or Equipment detail: D & C sands:5700 gals of pad4000 gals W/ 1-5 ppg of 20/40 sand8000 gals W/ 5-8 ppg of 20/40 sand1375 gals W/ 8 ppg of 20/40 sandFlush W/4746 gals of slick water

COSTS

Wheatherford BopIPC fuel gas \$100IPC supervision \$50lpc water \$58BJ D & C sands \$13,687Max TP: 2588 Max Rate: 25.9 Total fluid pmpd: 586Avg TP: 1835 Avg Rate: 25.8 Total Prop pmpd: 75,000 #'sISIP: 2090 5 min: 10 min: FG: .85Completion Supervisor: Pat WisenerDAILY COST: \$13,895TOTAL WELL COST: \$228,634



DAILY COMPLETION REPORT

WELL NAME: Monument Butte 1a-2-9-16Report Date: Sept. 19, 2002Completion Day: 2dPresent Operation: CompletionRig: Rigless

WELL STATUS

Surf Csg: 8 5/8 @ 301' Prod Csg: 5 1/2 Wt: 15.5# @ 6068' Csg PBDT: 6049'
Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBDT: 6010'WL
Composite @ 5425' & 5030'

Composite @ 4650'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB 4	4288-4312'	2/48	A 1	5284-5288'	4/16
GB 6	4368-4374'	4/24	A 3	5354-5360'	4/24
X-stray	4630-4637'	4/28	A 3	5367-5371'	4/16
D 1	4828-4837'	4/36	Cp 0.5	5661-5668'	4/28
D 2	4874-4879'	4/20	Cp 2	5703-5715'	4/48
D 3	4906-4910'	4/16	Cp 2	5750-5754'	4/16
C-sd	4988-4996'	4/32	Cp 3	5804-5811'	4/28

CHRONOLOGICAL OPERATIONS

Date Work Performed: 18-Sep-02SITP: SICP: 1980

Day 2d

Rig up PSI logging and set a composite plug @ 4650' under pressure. Then perforate the GB & X zone's highlighted above. 36' of zone & 100 total hole's. Rig up BJ frac service and hydraulically fracture the GB & X zone's highlighted above. The zone's broke down @ 2,601 psi. Pumped 179 bbls Viking 1-25 pad. Then 96,480#'s of 20/40 white mesh sand in 391 bbls of Viking 1-25 fluid. Then flushed with 100 bbls of slick water. Treated @ average rate of 25.7 bpm. Average pressure of 1685 psi. With a ISDP of 1980 psi. And a FG of .87 Water loss for stage 4 is 670 bbls. Total water loss is 2395 bbls. Begin immediate flow back @ 1 bpm on 12/64 choke untill dead. Well flowed 8 hrs. total fluid recovered 468 bbls.(19%) of frac load.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2395 Starting oil rec to date: 0
Fluid lost/recovered today: 468 Oil lost/recovered today:
Ending fluid to be recovered: 1927 Cum oil recovered: 0
IFL: Srhc FFL: srfc FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Viking 1-25 Job Type: Sand FracCompany: B. J. ServiceProcedure or Equipment detail: GB & X sands7500 gals of pad5000 gals W/ 1-5 ppg of 20/40 sand10,000 gals W/ 5-8 ppg of 20/40 sand2500 gals W/ 8 ppg of 20/40 sandFlush W/4200 gals of slick waterWheatherford BopIPC fuel gas \$100IPC supervision \$50lpc water \$68BJ GB & X sands \$16,944Wheatherford tool's \$8,715IPC frac tank's (7x4) \$1,120IPC flow back \$200Max TP: 2601 Max Rate: 26 Total fluid pmpd: 670Avg TP: 1685 Avg Rate: 25.7 Total Prop pmpd: 96,480 #'sISIP: 1980 5 min: 10 min: FG: .87Completion Supervisor: Pat WisenerDAILY COST: \$27,197TOTAL WELL COST: \$255,831

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4195'.
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class G cement.
3. Plug #2 Set 200' plug from 2000'-2200' with 25 sx Class "G" cement.
4. Plug #3 Pump 41 sx Class G cement down 5-1/2" casing to 351'.

The approximate cost to plug and abandon this well is \$33,025.

Monument Butte 1A-2-9-16

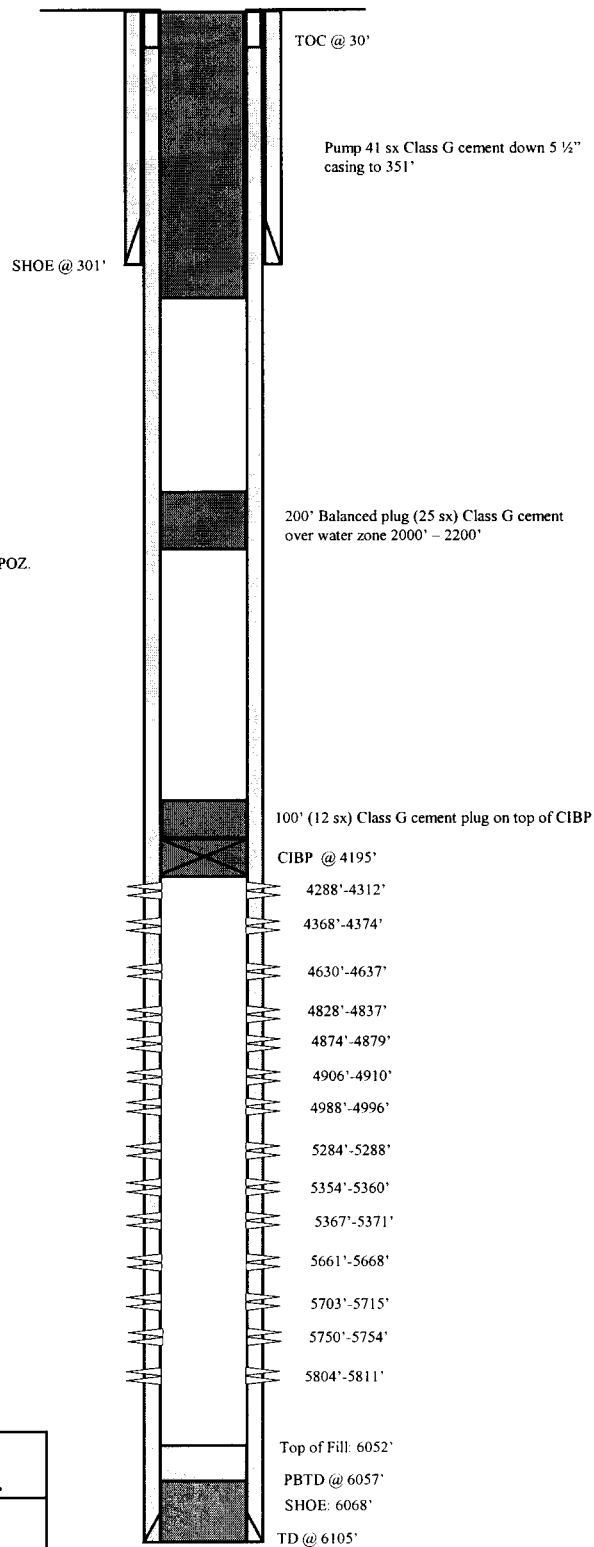
Spud Date: 08/16/2002
 Put on Production: 9/21/02
 GL: 5440' KB: 5450'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (293')
 DEPTH LANDED: 301' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 145 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 136 jts (6070')
 DEPTH LANDED: 6068' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 30'

Proposed P & A
Wellbore Diagram

Inland Resources Inc.

Monument Butte #1A-2-9-16

714' FNL & 728' FEL

NE/NE Section 2-T9S-R16E

Duchesne Co, Utah

API #43-013-32313; Lease #ML-21839

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 17th Street, Suite 700, Denver CO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/NE 714' FNL, 728' FEL Sec. 2, T9S, R16E

5. Lease Designation and Serial No.

ML-21839

6. If Indian, Allottee or Tribe Name

NA

7. If unit or CA, Agreement Designation

Monument Butte

8. Well Name and No.

Monument Butte 1A-2-9-16

9. API Well No.

43-013-32313

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne Co., Utah

12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☐ Other _____
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☒ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please see attached injection application.

14. I hereby certify that the foregoing is true and correct

Signed _____

Title **Operations Engineer**

Date **1-21-04**

David Gerbig

(This space of Federal or State office use.)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well



Oil Well



Gas well



Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 17th Street, Suite 700, Denver CO 80202

(303) 893-0102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/NE

714' FNL, 728' FEL

Sec. 2, T9S, R16E

5. Lease Designation and Serial No.

ML-21839

6. If Indian, Allottee or Tribe Name

NA

7. If unit or CA, Agreement Designation

Monument Butte

8. Well Name and No.

Monument Butte 1A-2-9-16

9. API Well No.

43-013-32313

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne Co., Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing



Other _____



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please see attached injection application.

14. I hereby certify that the foregoing is true and correct

Signed

David Gerbig
David Gerbig

Title

Operations Engineer

Date

1-21-04

(This space of Federal or State office use.)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company **Well:** Monument Butte 1A-2-9-16

Location: 2/9S/16E **API:** 43-013-32313

Ownership Issues: The proposed well is located on State land. The well is located in the Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah (SITLA). SITLA and Federal Government are the mineral owners within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Monument Butte Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 301 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6,105'. A cement bond log demonstrates adequate bond in this well up to 1425 feet. A 2 7/8 inch tubing with a packer will be set at 4,253. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 5 injection wells the area of review. All of the wells have evidence of adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 450 feet. Injection shall be limited to the interval between 4,108 feet and 6,105 feet in the Green River Formation. All of these perforations will not be opened initially. Each time that new perforations are added and the packer is moved or disturbed an MIT shall be run to provide evidence of mechanical integrity. Information submitted by Inland indicates that the fracture gradient for the 1A-2-9-16 well is .78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,839 psig. The requested maximum pressure is 1,839 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Monument Butte 1A-2-9-16
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Monument Butte Unit August 14, 1987 . Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the State of Utah

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date 03/15/2004



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

March 16, 2004

Inland Production Company
1401 17th Street, Suite 1000
Denver, Colorado 80202

Re: Monument Butte Unit Well: Monument Butte 1A-2-9-16, Section 2,
Township 9 South, Range 16 East, Duchesne County, Utah

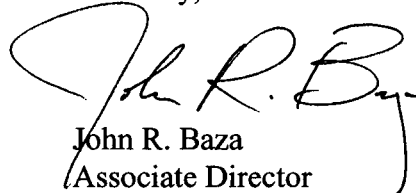
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,


John R. Baza
Associate Director

jc

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML21839
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 714 FNL 728 FEL		8. WELL NAME and NUMBER: MONUMENT BUTTE 1A-2-9-16
PHONE NUMBER 435.646.3721		9. API NUMBER: 4301332313
10. FIELD AND POOL, OR WILDCAT: Monument Butte		
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NE, 2, T9S, R16E		COUNTY: Duchesne
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/23/2004	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was converted from a producing to an injection well on 11/11/04. The rods and tubing anchor were removed and a packer was inserted in bottom hole assembly at 4194'. On 11/15/04 Mr. Dennis Ingram was notified of the intent to conduct a MIT on the casing. On 11/16/04 the casing was pressured to 1030 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

NAME (PLEASE PRINT) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u>Krishna Russell</u>	DATE <u>November 23, 2004</u>

(This space for State use only)

RECEIVED

NOV 26 2004

DIV. OF OIL, GAS & MINING

LIC-310

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: _____

Date 11/16/04

Time 1:00

am pm

Test Conducted by: Bret H

Others Present: _____

4194'

11/11/04

Well: MONUMENT BUTTE 1A-2-9-16

Well Location: NE/NE Sec. 2-T9S-1

SM 4180

TGR "D"

Time

Casing Pressure

0 min	<u>1030</u>	psig
5	<u>1030</u>	psig
10	<u>1030</u>	psig
15	<u>1030</u>	psig
20	<u>1030</u>	psig
25	<u>1030</u>	psig
30 min	<u>1030</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 320 psig

Result:

Pass

Fail

Signature of Witness: _____

Signature of Person Conducting Test: Bret Hennie

RECEIVED

NOV 26 2004

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 11 / 16 / 04 Time 1:00 am pm
Test Conducted by: BRET HENRIE
Others Present: _____

Well: MONUMENT BUTTE 1A-2-9-16

Field: MONUMENT BUTTE UNIT GR "D"

Well Location: NE/NE SEC. 2-T9S-R16E

API No: 43-013-32313

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1030</u>	psig
5	<u>1030</u>	psig
10	<u>1030</u>	psig
15	<u>1030</u>	psig
20	<u>1030</u>	psig
25	<u>1030</u>	psig
30 min	<u>1030</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 320 psig

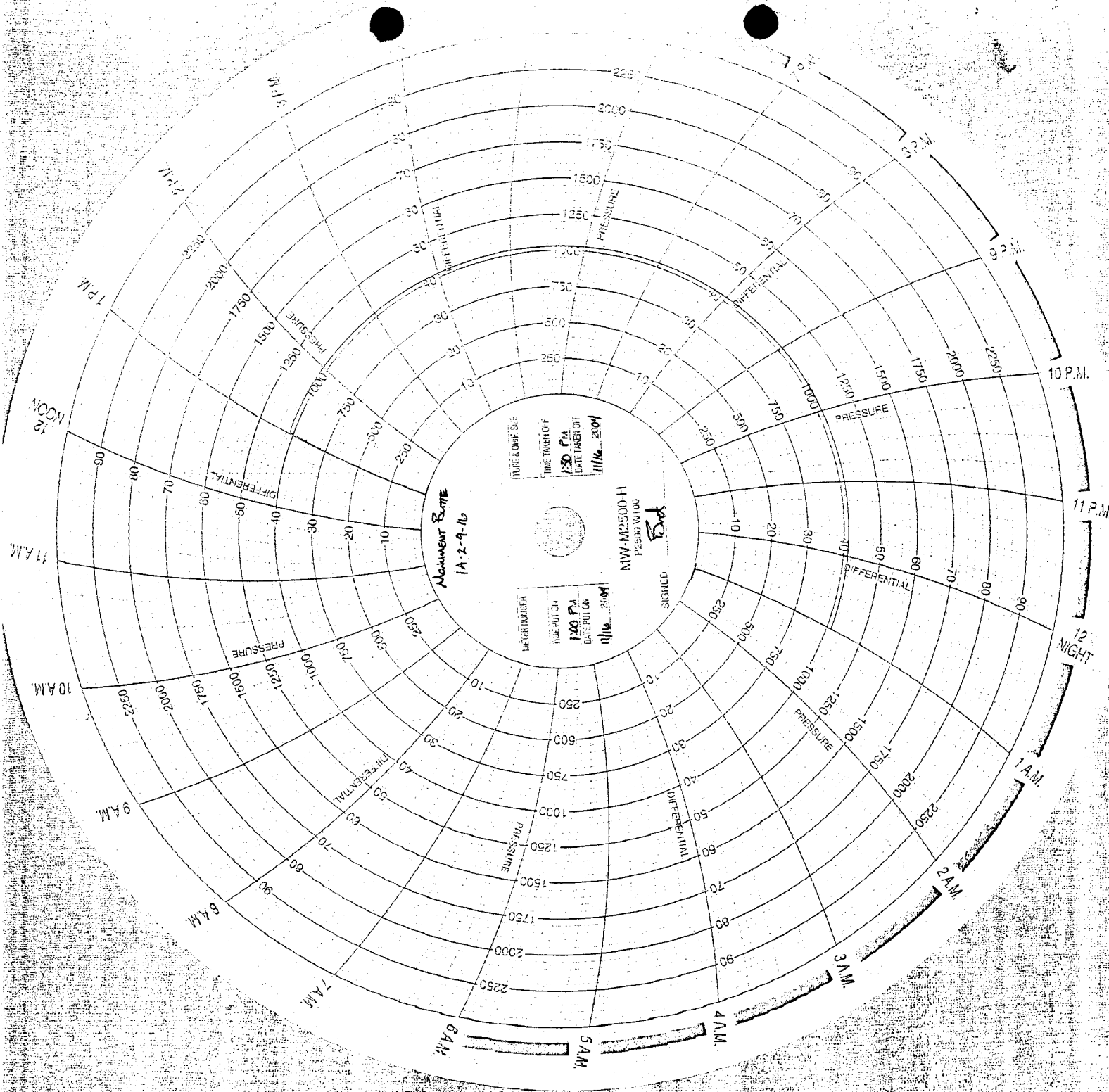
Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Bret Henrie

RECEIVED

NOV 26 2004



RECEIVED

NOV 26 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER ML21839
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 714 FNL 728 FEL		8. WELL NAME and NUMBER: MON BUTTE 1A-2-9-16
5. PHONE NUMBER 435.646.3721		9. API NUMBER: 4301332313
6. QTR./QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NE, 2, T9S, R16E		10. FIELD AND POOL, OR WILDCAT: Monument Butte

COUNTY: Duchesne

STATE: Utah

RECEIVED
DEC 23 2004

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put Well on Injection
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/21/2004			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above referenced well was put on injection at 12:00 p.m. on 12/21/04.

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist
SIGNATURE *Mandie Crozier* DATE December 22, 2004

(This space for State use only)



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

UNDERGROUND INJECTION CONTROL PERMIT

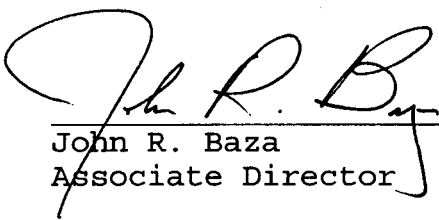
Cause No. UIC-310

Operator: Inland Production Company
Well: Monument Butte 1A-2-9-16
Location: Section 2, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-32313
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 16, 2004.
2. Maximum Allowable Injection Pressure: 1,839 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,108' - 6,105')

Approved by:


John R. Baza
Associate Director

Date

11/30/2004

BGH:jc

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton
SITLA, Salt Lake City



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****MONUMENT BUTTE (GR D)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 7-34	34	080S	160E	4301331471	10835	Federal	WI	A
MONUMENT BUTTE 2-34	34	080S	160E	4301331745	10835	Federal	OW	S
MONUMENT BUTTE UNIT 16-34	34	080S	160E	4301331913	10835	Federal	OW	P
MONUMENT FED 2A-35	35	080S	160E	4301331437	10835	Federal	OW	P
MON FED 1A-35	35	080S	160E	4301331514	10835	Federal	WI	A
MONUMENT BUTTE FED 4A-35R	35	080S	160E	4301331585	10835	Federal	OW	P
MONUMENT BUTTE 3A-35	35	080S	160E	4301331738	10835	Federal	OW	P
MONUMENT BUTTE ST 6-36	36	080S	160E	4301331571	10835	State	OW	P
MONUMENT BUTTE 4-36	36	080S	160E	4301331573	10835	State	OW	P
MON BUTTE ST 1A-36	36	080S	160E	4301331599	10835	State	WI	A
MON BUTTE 1A-2-9-16	02	090S	160E	4301332313	10835	State	OW	P
MON BUTTE 2-2-9-16	02	090S	160E	4301332314	10835	State	OW	P
MON BUTTE 4-2-9-16	02	090S	160E	4301332315	10835	State	OW	P
MON BUTTE 6-2-9-16	02	090S	160E	4301332316	10835	State	OW	P

K
K
K**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

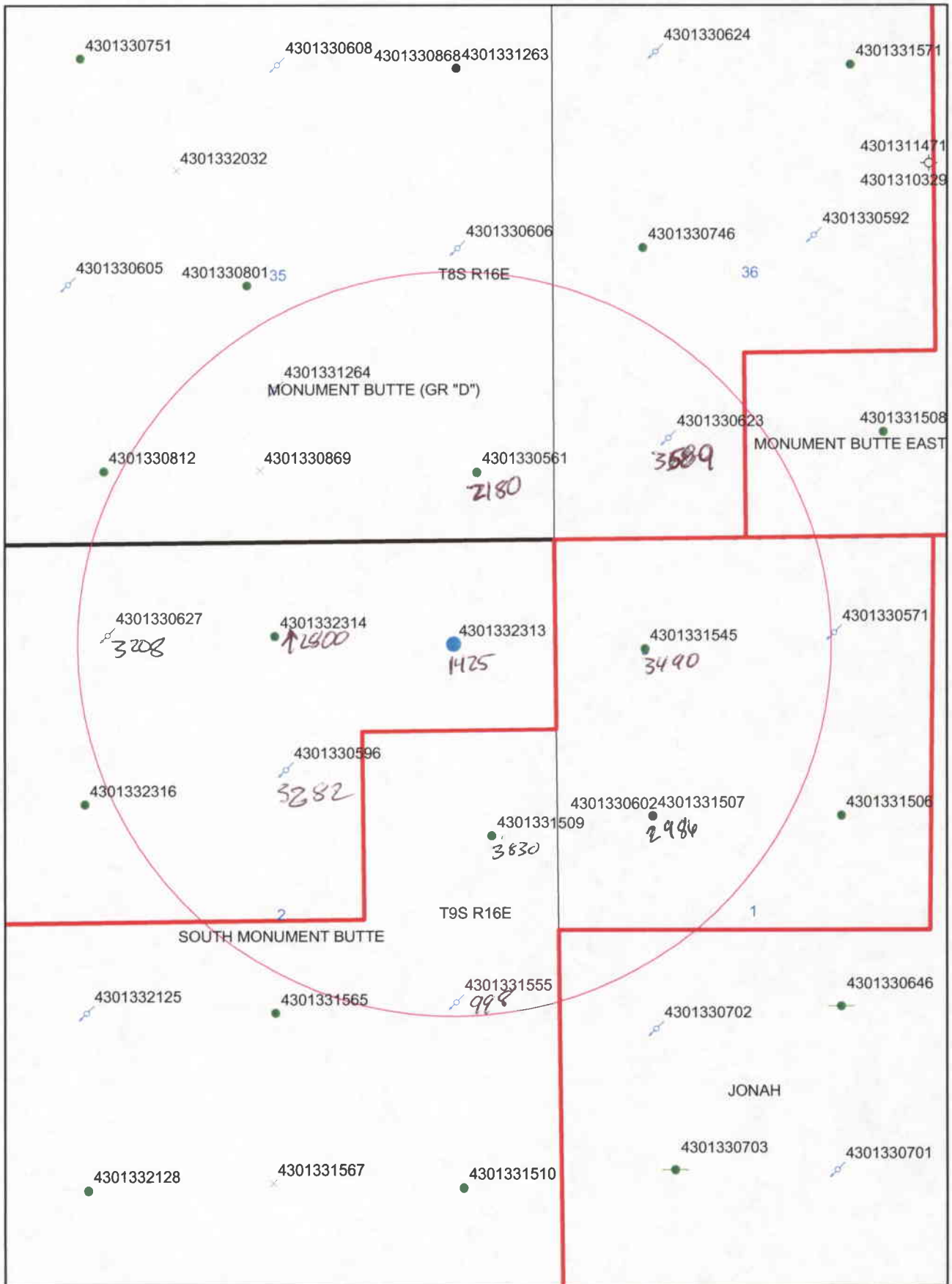
LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

Monument Butte 1A-2-9-26



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WI</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-21839
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 714 FNL 728 FEL		8. WELL NAME and NUMBER: MON BUTTE 1A-2-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENE, 2, T9S, R16E		9. API NUMBER: 4301332313
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/15/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/14/2009 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 9/14/2009. On 9/15/2009 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 400 psig during the test. There was not a State representative available to witness the test.

API# 43-013-32313

Accepted by the
Utah Division of
Oil Gas and Mining

COPY SENT TO OPERATOR

Date: 10-13-2009

Initials: KS

Date: 10-08-2009
By: [Signature]

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Production Tech
SIGNATURE [Signature] DATE 10/07/2009

(This space for State use only)

RECEIVED
OCT 08 2009
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: _____ Date 9 / 15 / 2009 Time 7:00 am ☒ pm

Test Conducted by: Newfield EXPLORATION

Others Present: _____

Well: MONUMENT BUTTE 1A-2-9-1b

Field: MONUMENT BUTTE

Well Location: NE/NE, Sec. 2, T9S, R16E

API No: 43-013-32313

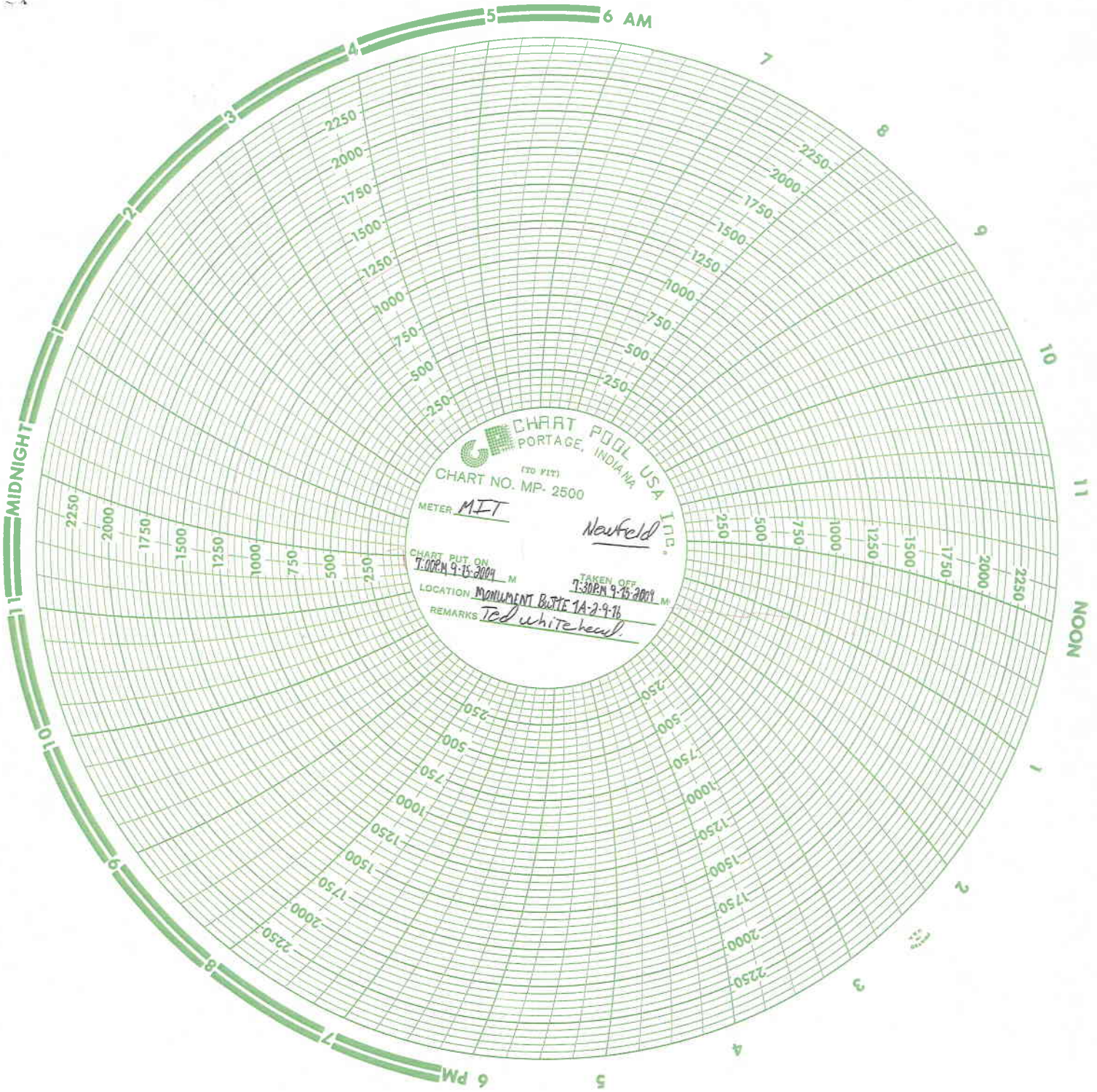
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 400 psig

Result: ☒ Pass ☐ Fail

Signature of Witness: _____

Signature of Person Conducting Test: Tab Lethbridge



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21839
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON BUTTE 1A-2-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0714 FNL 0728 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 02 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013323130000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/12/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 08/11/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/12/2014 the casing was pressured up to 1304 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1768 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 8/21/2014		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 22, 2014

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: Chris Jensen Date 8/12/2014 Time 12:14 am ☒ pm

Test Conducted by: Kim Giles

Others Present: Don Max

Spr.

Well: Monument Butte 1A-2-9-16

Field: Monument Butte

Well Location: Lot 1 Sec. 2, T9S, R16E
Duchesne County, Utah

API No: 43-013-32313

Time

Casing Pressure

0 min	<u>1293</u>	psig
5	<u>1296</u>	psig
10	<u>1297</u>	psig
15	<u>1299</u>	psig
20	<u>1301</u>	psig
25	<u>1302</u>	psig
30 min	<u>1304</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min	1304	psig

Tubing pressure: 1768 psig

Result:

Pass *

Fail

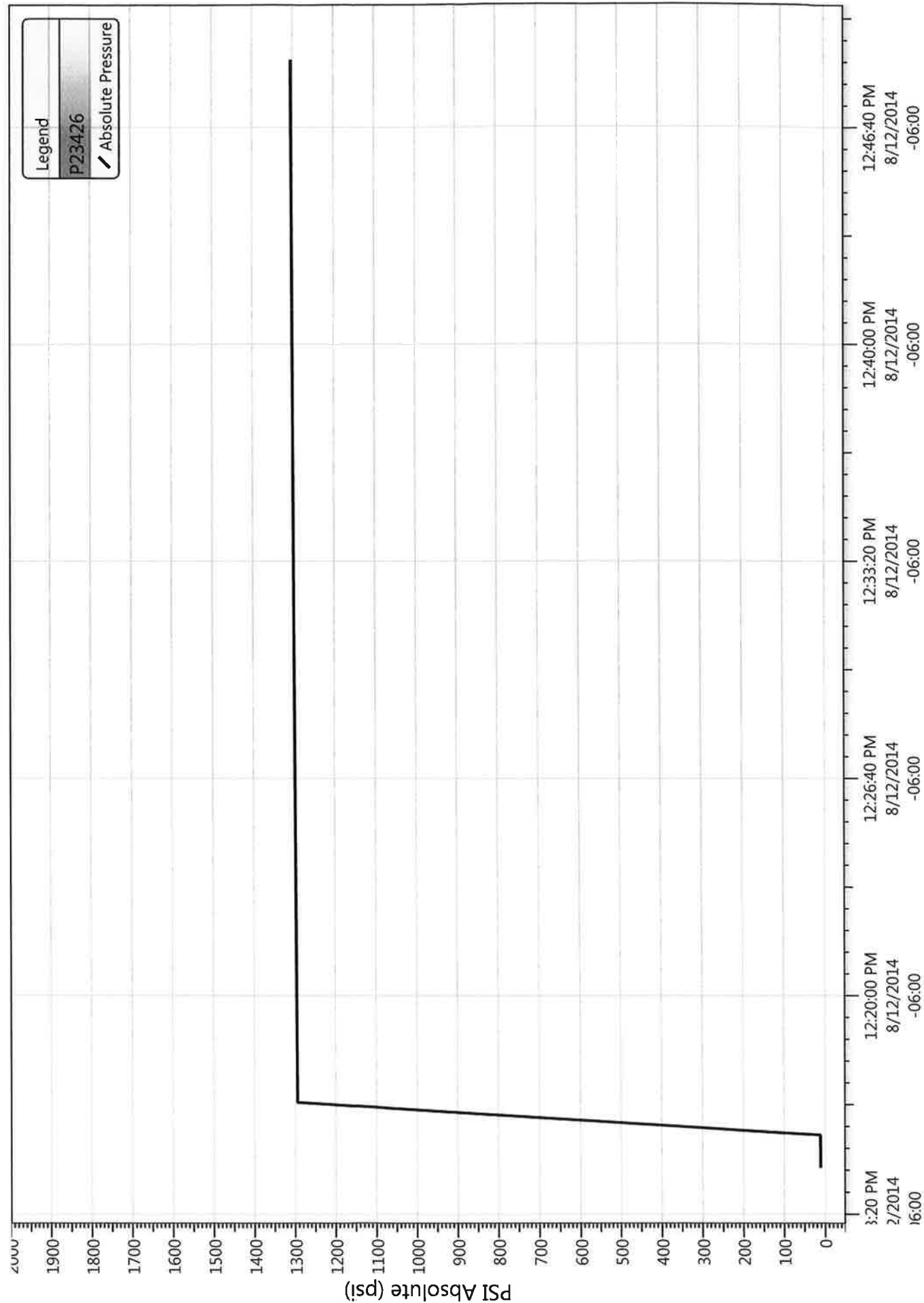
* Watch Casing
for 1 week &
Call or Email

Signature of Witness:

Signature of Person Conducting Test:

Kim Giles

1A-2-9-16 5yr MIT (8-12-2014)
8/12/2014 12:13:47 PM



Monument Butte 1A-2-9-16

Spud Date: 08/16/2002
Put on Production: 9/21/02
GL: 5440' KB: 5450'

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (293')
DEPTH LANDED: 301' KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 145 sxs C'lass "G" cmt, est 5 bbls cmt to surf.

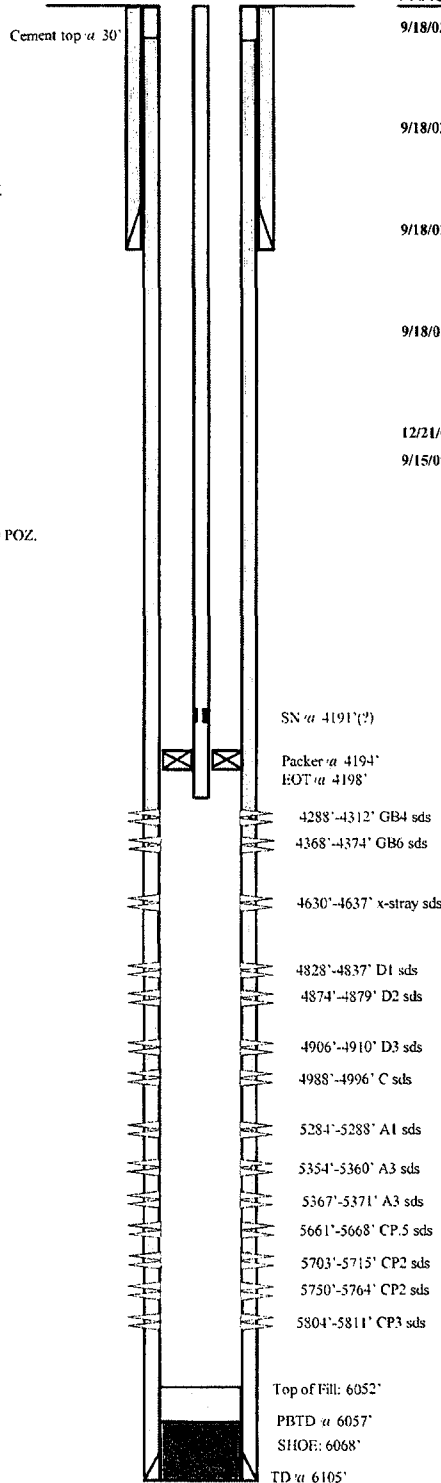
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (6070')
DEPTH LANDED: 6068' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 30'

TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#
NO. OF JOINTS: 133 jts. (4179.16')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4191' (?) KB
ARROW #1 PACKER CE AT: 4194'
TOTAL STRING LENGTH: EOT 'a 4197.51'

Injection Wellbore Diagram



FRAC JOB

9/18/02 5661'-5811' Frac CP.5,2,3 sands as follows:
60,000# 20-40 sand in 260 bbls Viking I-25 fluid. Treated 'a avg press of 1475 psi w avg rate of 25.6 BPM. ISIP 1920 psi. Calc flush: 5661 gal. Actual flush: 5565 gal.

9/18/02 5284'-5371' Frac A 1,3, sands as follows:
6000# 20-40 sand in 258 bbls Viking I-25 fluid. Treated 'a avg press of 1850 psi w avg rate of 25.7 BPM. ISIP 2080 psi. Calc flush: 5284 gal. Actual flush: 5208 gal.

9/18/02 4828'-4996' Frac C/D sands as follows:
75,000# 20-40 sand in 337 bbls Viking I-25 fluid. Treated 'a avg press of 1835 psi w avg rate of 25.9 BPM. ISIP 2090 psi. Calc flush: 4828 gal. Actual flush: 4746 gal.

9/18/02 4288'-4637' Frac X/GB 4,6 sands as follows:
96,480# 20-40 sand in 391 bbls Viking I-25 fluid. Treated 'a avg press of 1685 psi w avg rate of 25.7 BPM. ISIP 1980 psi. Calc flush: 4288 gal. Actual flush: 4200 gal.

12/21/04 Put on Injection
9/15/09 5 Year MIT completed and submitted

PERFORATION RECORD

Date	Interval	Tool	Holes
9/18/02	5804'-5811'	4 JSPF	28 holes
9/18/02	5750'-5754'	4 JSPF	16 holes
9/18/02	5703'-5715'	4 JSPF	48 holes
9/18/02	5661'-5668'	4 JSPF	28 holes
9/18/02	5367'-5371'	4 JSPF	16 holes
9/18/02	5354'-5360'	4 JSPF	24 holes
9/18/02	5284'-5288'	4 JSPF	16 holes
9/18/02	4988'-4996'	4 JSPF	32 holes
9/18/02	4906'-4910'	4 JSPF	16 holes
9/18/02	4874'-4879'	4 JSPF	20 holes
9/18/02	4828'-4837'	4 JSPF	36 holes
9/18/02	4630'-4637'	4 JSPF	28 holes
9/18/02	4368'-4374'	4 JSPF	24 holes
9/18/02	4288'-4312'	2 JSPF	48 holes

NEWFIELD

Monument Butte #1A-2-9-16
714' FNL & 728' FEL
NE/NE Section 2-T9S-R16E
Duchesne Co, Utah
API #43-013-32313; Lease #ML-21839